

EIM ATTRIBUTES CONTENTS

Updated 11/17/1999: On-line Help for EIM Attributes is complete for all windows.

Click on a word or words with a *dotted underline* in the list of Attributes or within a Help Topic to display a *popup* containing text about the prompting word or words. Place the cursor (arrow) on black text or white space within the popup to clear the popup from the screen. The popup contains no functionality.

Click on a word or words with a *solid underline* in the list of Attributes (only a few in this list) or within a Help Topic to display a *window* containing text, typically considerably more than displayed in a popup. If the amount of text requires, the window will be scrollable. Also, the window has a menu bar and buttons that provide additional on-line Help functionality.

NOTE: **Red** text in a definition's content indicates that clarification, additional text, or future text development is needed.

To close a topic displayed as a window, take one of the following actions:

Click on the Close button (the "X", in the upper right hand corner);

OR

Click on File in the upper left corner, then click on Exit.

To keep the Help topic open but return to the formerly active window (the one in background behind the Help topic window), click inside or on the edge of that background window.

ATTRIBUTES

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Wellhead Protection Area Name
WRIA
WRIA Inventory Number

EIM ATTRIBUTES

Access Table Name

The name of the file in which you wish to store an Access table. This text box is contained in the Save As Dialog Box which is displayed when the user clicks on the [Export to Access Pushbutton](#) in the [Advanced Report Builder Screen](#).

Example: 06-14-99_Sample 24

Format: 64 alpha/numeric characters

Activities/Results

Activities/Results is one of the six [EIM System Components](#).

The term “Activities” refers to [field activities](#). The term “[Results](#)” refers to the information derived from the field activities.

Advanced Query Indicator

A flag (i.e. a check mark [☐]) by which the user indicates that he or she wishes the system to display the [Advanced Report Builder Dialog Box](#) in order to customize a report.

Agency

A State, Federal, tribal, local, academic, commercial, or other group of interest to Ecology as a supplier or consumer of environmental monitoring or natural resource information. Within Environmental Information Management (EIM) an Agency is of interest when it participates in one or more [Projects](#) in one or more of a variety of roles, such as sampling or funding. Agencies may also exist without a project assignment.

An agency may sponsor and/or initiate [Projects](#) or Surveys.

Agency Address Line 1

The first of up to two lines of the address for the [Agency](#) , if appropriate. This will generally be the primary address line.

Example: 15 West Yakima Avenue

Format: 40 alpha/numeric characters

Agency Address Line 2

The second of up to two lines of the address for the [Agency](#) , if appropriate.

Example: Suite 200

Format: 40 alpha/numeric characters

Agency City

The city of the address for the [Agency](#).

Example: Yakima

Format: 25 alpha/numeric characters

Agency Country

The country of the address for the [Agency](#).

Example: United States or US

Format: 20 alpha/numeric characters

Agency Email Address

The internet address for the [Agency](#). This will commonly correspond to the World Wide Web site address for the Agency.

Example: www.wa.gov/ecology

Format: 20 alpha/numeric characters

Agency Name**Required Field**

The formal, full-length name of the [Agency](#) which is the sponsor or initiator of the [Project](#).

Examples: U.S. Environmental Protection Agency
Dept. of Ecology

Format: 60 alpha/numeric characters

Agency Phone Number

The main switchboard phone number for the [Agency](#) used for contact purposes when information is required from the Agency about its involvement in a project.

Examples: (360)407-6000

Format: 15 alpha/numeric characters

NOTE: although there is no format requirement, the preferred format is (xxx)yyy-zzzz.

Agency PO Box Number

The post office box number used as part of the address for the [Agency](#), if appropriate.

Examples: PO Box 47600

Format: 10 alpha/numeric characters

Agency Role

Defines the role that an [Agency](#) may play on a specific [Project](#). The Agency may have multiple roles defined in this way.

Agency Role Contact

The name of the primary person leading the [Agency's](#) involvement in the [Project](#).

Enter the person's first name, then last name.

Example: Tim Goldsmith

Format: 40 alpha/numeric characters

Agency Role Contact Phone Number

The phone number of the [Agency Role Contact](#).

Example: (360)407-1234

Format: 15 alpha/numeric characters

Agency Role Type

The role being played by an [Agency](#) for a specific [Project](#).

Permitted Values:

Funding
Sampling
Analysis
QA
Other

Format: 15 alpha/numeric characters

Agency State

The abbreviation of the state of the address for the [Agency](#).

Examples: WA BC DC

Format: 2 alpha/numeric characters

Agency Zip Code

The post office ZIP code of the address for the agency.

Examples: 98504-7600

Format: 10 alpha/numeric characters

NOTE: although there is no format requirement, the preferred format is xxxxx-xxxx.

Alias

An alternate name for a [characteristic](#) or [taxon](#). Characteristics will often have multiple names, common names, official codes, and so on. Each characteristic has a single name, [Characteristic Name](#), when entered into the [EIM System](#). Each alternate name is stored as an alias.

Alias Entity Name

A system-generated attribute composed of the following two parts, separated by a colon (:):

1. The name of the [EIM System](#) entity, either [Characteristic](#) or [Taxon](#), with which an [alias](#) is associated. This name is followed by a colon (:).
2. The [Characteristic Name](#) or [Taxon Name](#) with which an [Alias](#) is associated.

Examples: Characteristic: (-)-Loliolide Taxon: Achelia chelata

Alias Name

Required Field – for an alias

The alternative name/code for a [characteristic](#) or [taxon](#).

Examples: Rainbow trout – alias for the taxon *Oncorhynchus mykiss*
DDE – alias for the characteristic p,p-DICHLORODIPHENYLDICHLOROETHYLENE

Format: 40 alpha/numeric characters

Alias Type

Required Field – for an alias

The name of the type of alternative naming scheme or generic category alias for a [characteristic](#) or [taxon](#).

Select from list of permitted values.

Example: Common Name
Format: 30 alpha/numeric characters

Batch Record Count

The number of records in a batch identified by its [Interface Batch Number](#).

Bibliographic Reference

A citation to provide additional information about either a monitoring project or a field or analytical method, including the location of additional information if appropriate.

Bibliography Journal/Publisher Indicator

An indicator as to whether the name that appears in the text box for the attribute [Bibliography Journal or Publisher Name](#) is name of a Journal or a Publisher.

Click on the appropriate radio button (“Journal” or “Publisher”) to select the proper indicator.

NOTE: When you click on the radio button for “Journal”, the following two fields become active, required fields:

[Bibliography Publication Volume Number](#)
[Bibliography Publication Journal Number](#)

Bibliography Publication Abstract Text

A summary of the [Bibliographic Reference](#).

Format: Approximately 1000 alpha/numeric characters (stored in the database as four separate attributes of 254 characters each)

Bibliography Publication Author(s)**Required Field**

The name(s) of the author(s) of the cited journal or publication.

Example: American Public Health Association, American Water Works Association, and Water Environment Foundation

Format: 254 alpha/numeric characters

Bibliography Publication Date**Required Field**

The date on which the cited journal or publication was first published. If only the year is available, then set the date to January 1st of that year.

Examples: 01-01-1993
 07-18-1997

Format: MM-DD-YYYY

NOTE: You *must* enter the hyphens; otherwise the system will “beep” you.

Bibliography Publication Document Location

Required Field

The physical location of any hard copy of the reference document.

Examples: WA Dept. of Ecology library
 EILS Section

Format: 100 alpha/numeric characters

Bibliography Publication Electronic Location

The full path name of the location of any electronic copy of the document reference.

Examples: MS Outlook, Public Folders, ECY, Info. Tech. Policies, GIS Standards
 for Spatial...7/6/98
 H:\xxxx461\biog\file.doc
 Russ Darr's PC: C:\ BIBLIOGRAPHY\file.doc

Format: 100 alpha/numeric characters

Bibliography Publication Ending Page

The ending page number of the journal or publication in which the reference was published.

Example: 14 1002

Format: 4 numeric characters; 0 decimal places

Bibliography Publication Journal Number

Required Field – only when the “Journal” radio button is active for the attribute [Bibliography Journal/Publisher Indicator](#).

The number of the journal within a given volume in which the reference was published.

NOTE: This field is not active when the “Publisher” radio button is active.

Example: 5 (would be the entry for Environmental Science & Technology Volume
 32 Number 5)

Format: 3 numeric characters; 0 decimal places

Bibliography Publication Journal or Publisher Name

The name of the official journal in which the reference was published, if available, or of the publisher.

Example: American Chemical Society (publisher of Environmental Science & Technology)

Format: 120 alpha/numeric characters

Bibliography Publication Publisher Reference Id

An identification number assigned to the document by the publisher. This might be the ISBN number for a standard text, or the Ecology publication number for an Ecology-produced document.

Examples: 0013-936X
(ISSN of Environmental Science & Technology)

98-500
(Ecology publication number for:
Solid Waste in Washington State, Sixth Annual Report; 1/98)

Format: 40 alpha/numeric characters

Bibliography Publication Starting Page

The starting page number of the journal or publication in which the reference was published.

Examples: 8 102

Format: 4 numeric characters; 0 decimal places

Bibliography Publication Title**Required Field**

The title of the publication being cited.

Example: Field Samples and Measurement Protocols for the Watershed Assessments Section

Format: 254 alpha/numeric characters

Bibliography Publication Type
Required Field

Indicates the type of the reference being cited.

Permitted Values:

REPORT
QA DOC
METHOD
OTHER

Format: 8 alpha/numeric characters

Bibliography Publication Volume Number
Required Field – only when the “Journal” radio button is active for the attribute [Bibliography Journal/Publisher Indicator](#).

The volume number of the journal in which the reference was published.

NOTE: This field is not active when the radio button for “Publisher” is active.

Example: 13 (would be the entry for Scientific American Volume 13 Number 5)

Format: 3 numeric characters; 0 decimal places

Borehole

A cavity in the ground constructed for the purpose of creating a [well](#).

Borehole Diameter

Required Field if the Well Interval is HOLE

The diameter of the [borehole](#) of the specific [Well Interval](#) being measured.

Units are expressed using the [Borehole Diameter Unit Code](#).

Example: 6.750

Format: 3 numeric characters and 3 decimal places

See also

[Casing Maximum Diameter](#)

Borehole Diameter Unit Code

Required Field if the Well Interval is HOLE

Units in which the [Borehole Diameter](#) is expressed.

Values: FT = Feet
 M = Meters
 CM = Centimeters
 IN = Inches

Format: 2 alpha/numeric characters

Casing

A liner placed in a [borehole](#) to prevent entry of loose rock, gas, or liquid into the borehole or to prevent loss of circulation liquid into porous, cavernous, or crevassed ground. Liners may be constructed of sections of tubing, screwed together, or concrete poured in place.

Casing Inside Diameter

The diameter inside the [casing](#) in a [well interval](#).

Units are measured using the [Casing Inside Diameter Unit Code](#) .

Example: 5.3

Format: 3 numeric characters and 2 decimal

Casing Inside Diameter Unit Code

The units in which the [Casing Inside Diameter](#) in a [well interval](#) is expressed.

Values: CM = Centimeters
 IN = Inches

Format: 2 alpha/numeric characters

Casing Material Type Code

Required Field

Identifies the material from which a well [casing](#) is made.

Select from list of permitted values.

Examples: Brass or bronze

Galvanized iron
Brick
Fiberglass
Other Material
Fiberglass, other plastic, threaded

Format: 4 alpha/numeric characters

NOTE: System converts each item from list of permitted values to a four-character code (e.g. BRAS = Brass or bronze; NGLU = Fiberglass, other plastic, threaded)

Casing Maximum Diameter

The measure of the diameter of the casing that has the largest diameter within the well.

Units are expressed using the [Casing Maximum Diameter Unit Code](#).

Example: 18.500

Format: 3 numeric characters and 2 decimal places

See also

[Borehole Diameter](#)

Casing Maximum Diameter Unit Code

The units in which the [Casing Maximum Diameter](#) is expressed.

Values: CM = Centimeters
IN = Inches

Format: 2 alpha/numeric characters

Casing Thickness

The measure of the thickness of the [casing](#) material used for a [well interval](#).

Units are measured using the [Casing Thickness Unit Code](#).

Example: .25

Format: 1 numeric character and three decimal places

Casing Thickness Unit Code

The units in which the [Casing Thickness](#) is expressed.

Values: CM = Centimeters
 IN = Inches
 MM = Millimeters

Format: 2 alpha/numeric characters

Characteristic

The name of the parameter that is sampled for or measured in the environment.

Examples: Fish fork length
 Color
 Stream width
 Salinity
 Chromium
 Hexane, 3-Ethyl-

Characteristic Group

A grouping of [characteristics](#) for the purpose of conducting multiple [samplings](#) /[observations](#) on the group. The characteristics selected for the group may not necessarily be related, but they are grouped so that if, for example, routine samples are taken for 8 characteristics every month, creation of a group will result in less data entry, as only the group will have to be selected instead of each individual characteristic.

Example: John Tooley's Watershed Assessment Characteristics

Characteristic Group Description

Required field if Characteristic Group is associated with a Project

Brief description of the [Characteristic Group](#) that should include its purpose and primary purpose.

This description may be searched on any of four key words. Refer to [Characteristic Group Keywords 1-4](#) (definition is the same for each).

Example: Field measurements routinely collected by the Ambient Monitoring system (AMS) River and Stream Group

Format: 254 alpha/numeric characters

Characteristic Group Keyword 1

One of four key words entered by the user from the [Characteristic Group Description](#) at the time a [Characteristic Group](#) is [INSERTED](#) or [UPDATED](#). Then, in subsequent Characteristic Group searches, users may enter one to four key words to search for [characteristic groups](#) with matching key words in their Characteristic Group Descriptions.

Example: Ambient

Format: 15 alpha/numeric characters

Characteristic Group Keyword 2

One of four key words entered by the user from the [Characteristic Group Description](#) at the time a [Characteristic Group](#) is [INSERTED](#) or [UPDATED](#). Then, in subsequent Characteristic Group searches, users may enter one to four key words to search for [characteristic groups](#) with matching key words in their Characteristic Group Descriptions.

Example: River

Format: 15 alpha/numeric characters

Characteristic Group Keyword 3

One of four key words entered by the user from the [Characteristic Group Description](#) at the time a [Characteristic Group](#) is [INSERTED](#) or [UPDATED](#). Then, in subsequent Characteristic Group searches, users may enter one to four key words to search for [characteristic groups](#) with matching key words in their Characteristic Group Descriptions.

Example: Stream

Format: 15 alpha/numeric characters

Characteristic Group Keyword 4

One of four key words entered by the user from the [Characteristic Group Description](#) at the time a [Characteristic Group](#) is [INSERTED](#) or [UPDATED](#). Then, in subsequent Characteristic Group searches, users may enter one to four key words to search for [characteristic groups](#) with matching key words in their Characteristic Group Descriptions.

Example: Field Measurements

Format: 15 alpha/numeric characters

Characteristic Group Name

The name assigned to the group by the user who creates the set of [characteristics](#) to be known as a [characteristic group](#).

Example: AMS Field Measurements

Format: 40 alpha/numeric characters

Characteristic Lab ID

One of two types of identifiers provided by the [Laboratory](#) for the [characteristic](#):1. Modified version of the [E3 Characteristic Result CAS Number](#). The modified version has no hyphens between the segments of the Chemical Abstract Service (CAS) Number.

OR

2. An alpha/numeric code assigned by the Laboratory to identify a characteristic that is not included in the CAS numbering system.

Example: 30002009 (modified version of E3 Characteristic Result CAS Number)
 NO2/NO3 (Laboratory-generated)

Format: 12 alpha/numeric characters

NOTE: To use an Internet chemical search engine to find the CAS Number, refer to:

[How to Search for a Characteristic in the Environmental Information Management System](#)

Characteristic Name

Required Field

The name of the [characteristic](#) reported for the [result](#). The standard names for characteristics in the [EIM System](#) have been defined as those used in the Manchester Lab's [LIMS](#) system.

Example: Cadmium – if sample was analyzed to determine its cadmium content.

Format: 60 alpha/numeric characters

Characteristic Permitted Value

Required Field

A valid value for a given characteristic.

Examples: True
 False
 0
 1

Format: 12 alpha/numeric characters

Characteristic Permitted Value Description

Additional text that further describes the [Characteristic Permitted Value](#) .

Example: Indicates the presence of taxa (for a [Characteristic Permitted Value](#) of “True”)

Format: 60 alpha/numeric characters

Characteristic Procedure Required Indicator

A code indicating whether an analytical procedure is required for a specific [characteristic](#). This is used primarily for chemical characteristics.

Click on the text box to place a ☐ in the box or to remove an existing ☐.

Format: ☐ in box = “Y” (= YES, required); lack of a ☐ = “N” (=NO, not required).

Characteristic Result CAS Number

The Chemical Abstract Service number defined nationally for known chemical elements and compounds. This code for the [characteristic](#) is included on the characteristic directly, although it is truly a type of ‘alias’ because of its significance to the system users and within the [LIMS](#) system.

Example: 30-002-009

Format: 12 alpha/numeric characters

Characteristic Sample Fraction Required Indicator

A code indicating whether a sample fraction (refer to [Result Sample Fraction](#)) is required for a specific [characteristic](#). This is used primarily for chemical characteristics.

Click on the text box to place a ☐ in the box or to remove an existing ☐.

Format: ☐ in box = “Y” (= YES, required); lack of a ☐ = “N” (=NO, not required).

Characteristic Type

An aggregation of characteristics that are related in some way, such as metals or carcinogenic organic compounds.

More specific to the EIM System, it is a text description of a [Characteristic](#) that is displayed as a row in a list box and is composed of the following two attributes:

[Characteristic Category](#)

[Characteristic Subcategory](#)

Example:	<u>Category</u>	<u>Subcategory</u>
	Chemical	Biochemical Measures

The entries for these two attributes form the Characteristic Type for the Characteristic named Glass Fiber.

Characteristic Type Category

Required Field

A high level categorization of related [characteristics](#).

Permitted Values:

Biological
Chemical
Microbial
Physical

Format: 12 alpha/numeric characters

Characteristic Type Subcategory

Required Field

A lower level categorization of the type of characteristic than that of [Characteristic Type Category](#).

Example: Halogens

Format: 30 alpha/numeric characters

Characteristic UOM Type Code

Required Field

A code indicating which [Units of Measure](#) (UOM) are valid when recording [results](#) for a specific [characteristic](#). This is used primarily for chemical characteristics.

Examples: Volume
 Mass
 Time
 Length

Format: 10 alpha/numeric characters

Characteristic Usage

Indicates whether the [characteristic](#) is designated for field use, lab use, or both. A blank space or "no value" is also permitted.

Permitted Values:
 Blank Space
 Field
 Lab
 Field and Lab

Format: 13 alpha/numeric characters

Code

A code identifier of each option for a subject contained in the [Combined Code Table](#) in the system. There is a "Code" associated with each "[Code Description](#)".

	Code Type		Code	Code Description
Examples:	COUNTY	01		Adams
	HDATUM	01		North American Datum 1927 - NAD27

Code Description

A text identifier and description of each option for a subject contained in the [Combined Code Table](#) in the system. There is a "Code Description" associated with each "[Code](#)".

	Code Type	Code	Code Description
Examples:	COUNTY	01	Adams
	HDATUM	01	North American Datum 1927 - NAD27

Code Format

Identifies whether the characters in a "[Code Type](#)" of the [Combined Code Table](#) must be numeric (N) or text (T).

Combined Code Table Attributes				
Examples:	Code Type	Code Type Description	Code Length	Code Format
	COUNTY	County Codes 01 Adams 39 Yakima	2	N
	REGION	WDOE Region ERO Eastern Regional Office NWRO Northwest Regional Office	6	T

Code Length

The number of characters for a "[Code Type](#)" of the [Combined Code Table](#).

Combined Code Table Attributes				
Examples:	Code Type	Code Type Description	Code Length	Code Format
	COUNTY	County Codes 01 Adams 39 Yakima	2	N
	REGION	WDOE Region ERO Eastern Regional Office NWRO Northwest Regional Office	6	T

Code Type

A code identifier of each subject in the [Combined Code Table](#) in the system. There is a "Code Type" associated with each "[Code Type Description](#)".

Examples:	Code Type	Code Type Description
	COUNTY	County Codes
	HDATUM	The point line surface used a reference (Horizontal Datum)

See also

[Code](#)
[Code Description](#)

Code Type Description

A text identifier and description of each subject in the [Combined Code Table](#) in the system. There is a "Code Type Description" associated with each "Code Type".

Examples:	Code Type	Code Type Description
	COUNTY	County Codes
	HDATUM	The point line surface used a reference (Horizontal Datum)

See also

[Code](#)
[Code Description](#)

Combined Code Table

The Combined Code Table contains a list of available options for a particular subject (e.g. County, Horizontal Datum, SIC). These options are presented to the system user in the form of a list box from which the user may select the appropriate item(s).

Each subject of the Combined Code Table is identified by a "[Code Type](#)" and a "[Code Type Description](#)".

Examples:	Code Type	<u>Code Type Description</u>
	COUNTY	County Codes
	HDATUM	The point line surface used as reference (Horizontal Datum)

Each option for a subject is identified by a "[Code](#)" and a "[Code Description](#)".

Examples:	Code Type	Code	Code Description
	COUNTY	01	Adams
	HDATUM	01	North American Datum 1927 - NAD27

Congressional District Number

No entry needed. The program "[Skipper](#)" will populate this field.

The number and associated text description of the Congressional District in which the [Station](#) is located. If you wish to enter a Congressional District Number for a Station, click on the prompt and choose the appropriate one from the drop-down list box of the Congressional District [Combined Code Table](#).

Range: 01 - 09

Example: 01 Congressional District No. 1

Continuing Load Process Message

A horizontal bar that identifies the portion of result records that have been processed during a load process. The bar increases as the [Processed](#) number increases.

Coordinate Referencing System

Required Field

User selects one of four Coordinate Referencing Systems to identify the *current basis* of the coordinates of the [Station](#). The current basis may not be the same as the original basis if a more accurate basis has been entered subsequent to that of the original.

The four coordinate referencing systems are:

[LAT/LONG](#): Latitude/Longitude -- The agency standard coordinate referencing System.

[SPCS](#) (Washington) State Plane Coordinate System

[STR](#) Section Township Range Grid System

[UTM](#) Universal Transverse Mercator Grid System

NOTE: If you change the Coordinate Referencing System when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

County Name

No entry needed. The program "[Skipper](#)" will populate this field.

The name of the county and its associated two-digit code in which the [Station](#) is located.

If you wish to enter a County Name for a Station, click on the prompt and choose the appropriate code from the drop-down list box of the [Combined Code Table](#) named **County**.

NOTE: If you wish to use a County Name for Report Selection purposes, click on the down arrow next to the text box; then, click on the appropriate County Name from the drop-down list box.

Examples:	01	Adams
	39	Yakima

Decimal Lat

Required if using Latitude/Longitude Coordinate Referencing System and not entering Degrees ([Lat Degree Number](#)), Minutes ([Lat Minute Number](#)), and Seconds ([geo](#))

The decimal representation of the latitude of the [Station](#) location where:

$$\text{decimal degrees} = \text{degrees} + \text{minutes}/60 + \text{seconds}/3600$$

Example: 73.9875 = 73 59 ' 15"

Range: 45.000000 - 49.999999

Format: 2 numeric characters and 6 decimal places

NOTE: If you change the Decimal Latitude when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Decimal Long

(Decimal Longitude)

The decimal representation of the longitude of the [Station](#) location where

$$\text{decimal degrees} = \text{degrees} + \text{minutes}/60 + \text{seconds}/3600$$

Example: 117.9875 = 117 59' 15"

Range: 116.000000 - 125.999999

Format: 3 numeric characters and 6 decimal places

NOTE: If you change the Decimal Longitude when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

E1 Agency Name

The formal, full-length name of the [Agency](#) which is the sponsor or initiator of the E1 [Project](#) for which records of a batch were entered into the [Interface System](#).

E1 Project Contact Person

Required Field

The Ecology staff person designated as the one responsible for ([Project Lead](#)) or the person knowledgeable about the E1 [Project](#) for which records of a batch were entered into the Interface System.

See also

[Project Lead First Name](#)

Project Lead Last Name

E1 Project End Date

The date on which an E1 [Project](#) was completed for which records of a batch were entered into the [Interface System](#). Typically, this should be upon completion of any published reports.

Example: 12-12-1996

Format: MM-DD-YYYY

NOTE: You *must* enter the hyphens; otherwise an error message will appear.

E1 Project Identification Code

EIM Required Field

The identification code (combination of text and numbers) used by the [Project Lead](#) to *uniquely* identify the E1 [Project](#) for which records of a batch were entered into the [Interface System](#).

Examples: EILS567 SED8809

Format: 8 alpha/numeric characters

E1 Project Name

EIM Required Field

The name assigned by the [Project Lead](#) to the E1 [Project](#) for which records of a batch were entered into the [Interface System](#).

Examples: Radioactive poisoning in Hanford employees
DDT measurements for fish in the Lower Puget Sound area

Format: 60 alpha/numeric characters

E1 Project Program Code

The code which identifies the Ecology Program which is primarily responsible for the E1 [Project](#) for which records of a batch were entered into the [Interface System](#).

Examples: HWTUR EILS

Format: 10 alpha/numeric characters

Required Field

Example: This project will examine the amounts of DDT found in clam tissue samples in the Lower Puget Sound area. The intentions are to measure the effect the spill has had on the fish in the area.

Required Field

A *Quality Assurance Project Plan (QAPP)* must follow the guidance in Ecology Document 91-16, Guidelines and Specifications for Preparing Quality Assurance Project

Plans and/or EPA Document 841-B-96-003, The Volunteer Monitor's Guide to Quality Assurance Project Plans.

A *formal project report* is a document describing project objectives, procedures, results, conclusions and **assessment of the quality of the data**.

Both the QAPP and the formal project report must be available to the user.

Bibliographic citations should be provided (see [Project Bibliography Window](#)).

Level 4 **Planning:** Approved QAPP
 Report: Peer reviewed project report

A *Quality Assurance Project Plan (QAPP)* must follow the guidance in Ecology Document 91-16, Guidelines and Specifications for Preparing Quality Assurance Project Plans and/or EPA Document 841-B-96-003, The Volunteer Monitor's Guide to Quality Assurance Project Plans.

A *formal project report* is a document describing project objectives, procedures, results, conclusions and **assessment of the quality of the data**. A *peer reviewed project report* means the report was checked or reviewed for accuracy and completeness by a supervisor or colleague with appropriate experience (does not require independent, outside scientific review, as for juried publications).

Both the QAPP and the formal project report must be available to the user.

Bibliographic citations should be provided (see [Project Bibliography Window](#)).

Examples:

Entering historical monitoring data; no formal QA documentation or project report is known. Assign QAL = 1

Ecology staff collects data during inspection, under a generic programmatic QAPP that covers typical inspections. Inspector writes report. Assign QAL = 2.

Multi-year watershed analysis, involving extensive monitoring, is supported by an approved QAPP. Formal project report is available. Assign QAL = 3. If report is peer reviewed, assign QAL = 4.

Intensive monitoring program associated with cleanup site is supported by an approved QAPP. Results exist, but there is no project report. Assign QAL = 1. When formal report is complete, change QAL = 3. When peer reviewed project report is completed, change QAL = 4.

Format: 1 numeric character

NOTE: Additional QA information/detail may be entered in the [Project Quality Assurance Description](#).

E1 Project Start Date

Required Field

The date on which an E1 [Project](#) began for which records of a batch were entered into the [Interface System](#) .

Example: 12-12-1996

Format: MM-DD-YYYY

NOTE: You *must* enter the hyphens; otherwise an error message will appear.

E1 Project Status Code

The logical state describing the current condition of the E1 [Project](#) for which records of a batch were entered into the [Interface System](#) .

Values: Proposed
 On Hold
 Active
 Data Completed
 Completed

E3 Characteristic Lab ID

One of two types of identifiers provided by the [Laboratory](#) for the [characteristic](#):

1. Modified version of the [E3 Characteristic Result CAS Number](#). The modified version has no hyphens between the segments of the Chemical Abstract Service (CAS) Number.

OR

2. An alpha/numeric code generated and assigned by the Laboratory to identify a characteristic that is not included in the CAS numbering system.

Example: 30002009 (modified version of E3 Characteristic Result CAS Number)
 NO2/NO3 (Laboratory-generated)

Format: 12 alpha/numeric characters

E3 Characteristic Result CAS Number

The Chemical Abstract Service number defined nationally for known chemical elements and compounds. This code for the [characteristic](#) is included on the characteristic directly, although it is truly a type of 'alias' because of its significance to the system users and within the [LIMS](#) system.

Example: 30-002-009

Format: 12 alpha/numeric characters

E3 Characteristic Result Name

EIM Required Field

The name of the [characteristic](#) reported for the E3 result. The standard names for characteristics in the [EIM System](#) have been defined as those used in the Manchester Lab [LIMS](#) system.

Examples: Cadmium – if sample was analyzed to determine its cadmium content.

Format: 60 alpha/numeric characters

E3 Field Activity Comment

Comments or descriptive information about the [field activity](#) that took place.

Example: Visibility was poor due to heavy rain.

Format: 254 alpha/numeric characters

E3 Field Activity End Date

The date that the [field activity](#) was completed.

Example: 11-17-1997

Format: MM-DD-YYYY

NOTE: You *must* enter the hyphens; otherwise an error message will appear.

E3 Field Activity End Time

The time that the [field activity](#) was completed.

Example: 04:24:16 16:03:00

Format: HH:MI:SS (hours, minutes, seconds) in military time

NOTE 1: You must enter the colons.

NOTE 2: If you enter only HH:MI, the system completes the entry with “:00”.

E3 Field Activity Lower Depth Quantity

A measure associated with an activity that is normally conducted over or within a vertical depth range within the water column. It measures the distance from the surface to the *lower* boundary of the zone within which the activity is conducted or over which the activity is integrated.

This measure must be used in conjunction with a [unit of measure](#), [E3 UOM Field Activity Short Form Name](#).

Example: 10.00 (This would be the correct value to record if you were taking measurements in a section of the water column that started at 5 feet below the surface and ended 10 feet below the surface.

Format: 5 numeric characters and 2 decimal places

E3 Field Activity Reference Point

The reference point from which the depth that the [field activity](#) took place was measured.

Example: Stream Surface

Format: 30 alpha/numeric characters

E3 Field Activity Start Date

Required Field

The date that the [field activity](#) was begun.

Example: 11-17-1997

Format: MM-DD-YYYY
You must enter the hyphens.

E3 Field Activity Start Time

Required Field

The time that the [field activity](#) was begun.

Examples: 04:24:16 16:03:00

Format: HH:MI:SS (hours, minutes, seconds) in military time
NOTE 1: You must enter the colons.
NOTE 2: If you enter only HH:MI, the system completes the entry with “:00”.

E3 Field Activity Type

The type of [field activity](#) being performed.

Values: [Sample](#)
 [Measurement](#)
 [Observation](#)

Format: 11 alpha characters

E3 Field Activity Upper Depth Quantity

A measure associated with an activity that is normally conducted over or within a vertical depth range within the water column. It measures the distance from the surface to the *upper* boundary of the zone within which the activity is conducted or over which the activity is integrated.

This measure must be used in conjunction with a [unit of measure](#), [E3 UOM Field Activity Short Form Name](#).

Example: 5.00 (This would be the correct value to record if you were taking measurements in a section of the water column that started at 5 feet below the surface and ended 10 feet below the surface.

Format: 5 numeric characters and 2 decimal places

E3 Lab Result Name

The formal name by which the [laboratory](#) which actually processed the [samples](#) is commonly known.

Example: Manchester Laboratory

Format: 60 alpha/numeric characters

See also

[E3 Lab Sample Name](#)
[Laboratory Name](#)

E3 Lab Sample Name

The formal name by which the [laboratory](#) to which the [sample](#) was originally sent is commonly known.

Example: Manchester Laboratory

Format: 60 alpha/numeric characters

See also

[E3 Lab Result Name](#)
[Laboratory Name](#)

E3 Method Sample 1 Code

The code for one of up to four sampling methods that can be associated with the sample. The code assigned to the procedure will be as listed in the reference document. The assignment of codes to methods will be managed by a central systems administration function.

Example: EPA351.2

Format: 10 alpha/numeric characters

E3 Method Sample 2 Code

The code for one of up to four sampling methods that can be associated with the sample. The code assigned to the procedure will be as listed in the reference document. The assignment of codes to methods will be managed by a central systems administration function.

Example: EPA351.2

Format: 10 alpha/numeric characters

E3 Method Sample 3 Code

The code for one of up to four sampling methods that can be associated with the sample. The code assigned to the procedure will be as listed in the reference document. The assignment of codes to methods will be managed by a central systems administration function.

Example: EPA351.2

Format: 10 alpha/numeric characters

E3 Method Sample 4 Code

The code for one of up to four sampling methods that can be associated with the sample. The code assigned to the procedure will be as listed in the reference document. The assignment of codes to methods will be managed by a central systems administration function.

Example: EPA351.2

Format: 10 alpha/numeric characters

E3 Parameter Code

Code assigned by Ecology's Manchester Laboratory that describes a test, measurement, or analysis performed. Some Parameter codes include a suffix that identifies the type of fractionation used to assess the sample and determine a result for that parameter. Each such suffix is preceded by a hyphen (-).

The Manchester Laboratory uses several hundred Parameter Codes. The only EIM System window in which these E3 Parameter Codes appear is the E3 Results List Box, in the far right portion. Three E3 Parameter Codes are commonly of interest to Ecology users because they can be used to decipher the type of fractionation. These are:

-DIS	Dissolved
-HF	Total Hydrogen Fluoride
-TR	Total Recoverable

The EIM System has been designed to automatically convert these three specific E3 Parameter Codes during the LOAD process to "Dissolved", "Hf Total", or "Tot Recoverable", respectively. The converted values are displayed in the text box for the attribute "Sample Fraction" in both the [Result \(Sampling\) Details Dialog Box](#) and the [Result \(Sampling\) Insert/Update Dialog Box](#).

	E3 Parameter Code	Description
Examples:	AU	Gold
	AU-DIS	Gold, Dissolved
	AS-HF	Arsenic, Total Hydrogen Fluoride
	AG-TR	Silver, Total Recoverable

Format: 10 alpha/numeric characters

E3 Project Identification Code

EIM Required Field

The code assigned to the sample by the responsible [project lead](#) or the [laboratory](#) performing the analysis to uniquely identify the [project](#).

Examples: EILS567 SED8809

Format: 8 alpha/numeric characters

E3 Project Station Name

Required Field

The project-specific name defined by the [Project Lead](#) for a given [station](#) during the course of a specific [project](#) . It *may* be the same as the [Station Identification Code](#). A Station that is associated with multiple projects may have multiple Project Station Names.

A Project Station Name must be *unique within a specific project*; but, a Project Station Name does *not* need to be unique *across* projects.

Example: MW1
 (Station ABC will be referred to as MW1 during the current project.)

Format: 40 alpha/numeric characters

E3 Rejected Result Indicator

Indicates whether a user has rejected a particular result (Sample or Measurement) for a specific Project. In order to complete the rejection of a result, the user also must enter a reason for the rejection in either of two attribute text fields, [E3 Result Validation Method Description](#) or [E3 Result Value Description \(Comment\)](#).

Click on the text box to place a in the box or to remove an existing .

Format: in box = “Y” (= YES, Rejected); lack of a = “N” (=NO, not Rejected).

E3 Result Analysis Date

EIM Required Field

The date that the E3 [result](#) was analyzed by the [laboratory](#). This can be important where the delay between sampling and analysis might affect the measured result.

Example: 11-17-1997

Format: MM-DD-YYYY
 You must enter the hyphens.

E3 Result Analysis Time

EIM Required Field

The time that the E3 [result](#) was analyzed by the [laboratory](#) . This can be important where the delay between sampling and analysis might affect the measured result.

Example: 04:24:16 16:03:00

Format: HH:MI:SS (hours, minutes, seconds) in military time

NOTE 1: You must enter the colons.

NOTE 2: If you enter only HH:MI, the system completes the entry with “:00”.

E3 Result Analytical Method

EIM Required Field

The code assigned to the analytical procedure(s) ([Method Description](#)), as listed in the reference document, used to derive the [result](#). The assignment of a code to a Method Description will be managed by a central systems administration function.

Select from a list of permitted values.

Example: EPA330.2 – the E3 Method Code assigned to the Method Description
 “Chloride, Sulfate determination”

Format: 10 alpha/numeric characters

E3 Result Comment

Brief textual comments about the E3 [result](#).

Format: 254 alpha/numeric characters

E3 Result Confidence Level Percent Measure

The confidence interval associated with numeric [E3 Result Reported Value](#), if appropriate

EIM Permitted Values:

90 95 99 99.9

Format: 4 alpha/numeric characters

E3 Result Data Qualifier Code

EIM Required Field

A code associated with numeric E3 Result Reported Value data reported by laboratories . The value is used for quality assurance/quality control purposes. While not all data are qualified, appropriate data qualifiers must be entered for any results qualified by the lab doing the analysis.

Example:	E	Reported result is an estimate.
	G	Value is greater than result reported.
	J	The analyte was positively identified. The associated numerical result is an estimate.
	N	For organic analytes, there is evidence The analyte is present in this sample.
	NAF	Not analyzed for.
	NC	Not calculated.
	NJ	There is evidence that the analyte is Present. The associated numerical result is an estimate.
	QNS	Quantity not sufficient.
	REJ	Data are unusable for all purposes.
	U	The analyte was not detected at or above the reported result.
	UJ	The analyte was not detected at or above the reported estimated result.
	U?	Translation of a data qualifier that does not exist in EIM, but which may be reasonably interpreted as “ <i>the analyte was not detected at or above the reported result.</i> ” The original definition may have varied; but the intent was the denote the result as not detected.
	J?	Translation of a data qualifier that does not exist in EIM, but which may be reasonably interpreted as “ <i>the analyte was positively identified. Consider the associated numerical an estimate.</i> ” The original definition may have varied, but the intent was to treat the positively identified result as an estimate.
	U?	Translation of a data qualifier that does not exist in EIM, but which may be reasonably interpreted as “ <i>the analyte was not detected at or above the reported estimated result.</i> ” The original definition may have varied; but the intent was to denote the result as not detected at the estimated level reported.

Format: 3 alpha/numeric characters

E3 Result Instrument Value

The actual measured value for a test *as recorded by the equipment*.

This value may be different from the analysis result, the [E3 Result Reported Value](#), where other circumstances, such as machine calibration, etc., may affect the ability of the equipment to detect an analyte. In such cases, the analyst will record a reported value at a predetermined detection limit as the E3 Result Reported Value and the actual machine-determined value as the E3 Result Instrument Value.

Example: 0.43

Format: 8 numeric characters and 7 decimal places

E3 Result Reported Value

Required Field

The actual reported value with the reported decimal places. This may be a method limit or the instrument reading. When used, this value *must* be used in conjunction with the characteristic and units of measure, UOM E3 Result Short Form Name.

Examples: 1.50 0.330

Format: 10 alpha/numeric characters

E3 Result Sample Fraction

The type of fractionation used to assess the [sample](#) and determine a [result](#) for a [characteristic](#). Fractionation is the separation (of a chemical compound) into components, as by distillation or crystallization.

EIM Permitted Values:

Suspended
Total
Dissolved
Tot[al] Recoverable
HF Total

Format: 15 alpha/numeric characters

E3 Result "Stored As" Value

The numeric representation of the result of the [E3 Result Reported Value](#).

Example: 0.3000000

Format: 8 numeric characters and 7 decimal places

E3 Result Unidentified Species Code

A “placeholder” taxonomic identification for the sample. Used with a valid genus name to indicate that a unique species has been observed but not taxonomically identified.

EIM Permitted Values:

SP.1, SP.2, SP.3, SP.4, SP.5, SP.6, SP.7, SP.8, SP.9, SPP.

Format: 10 alpha/numeric characters

E3 Result Validation Method Description

A brief description of the validation [method](#) that was used for the [sample result](#).

Example: Lab-generated duplicates

Format: 254 alpha/numeric characters

Result Value Description (Comment)

A textual description of the [result](#).

Example: Cloud cover is approximately 20%.

Format: 254 alpha/numeric characters

E3 Sample Chain of Custody Flag

Indicates whether or not a chain of custody is required for the sample. Chain of custody information is typically required where the results from the [sample](#) are to be used for enforcement action purposes. Such samples will be subject to more rigorous control and management procedures than might normally be applied.

Click on the text box to place a ☐ in the box or to remove an existing ☐.

Format: ☐ in box = “Y” (= YES, required); lack of a ☐ = “N” (=NO, not required).

E3 Sample Chemical Preservation Method

The name of the chemical or physical preservation method used to preserve the E3 [Sample](#).

Example: Refrigeration

Format: 15 alpha/numeric characters

E3 Sample Composite Flag

Indicates whether the [sample](#) represents a combination or [composite](#) of other samples.

Click on the text box to place a ☐ in the box or to remove an existing ☐.

Format: ☐ in box = "Y" (= YES); lack of a ☐ = "N" (=NO).

E3 Sample Identification Number

EIM Required Field

A code to identify a sample that is assigned by the project scientist. This number may be a randomly selected number by the sampler or it may be a pre-assigned number designated by the laboratory.

Example: AIR9098

Format: 12 alpha/numeric characters

E3 Sample Matrix

Required Field

Describes the form of the sample.

Select from list of permitted values.

Examples: Air/Gas
Tissue
Water
Other Liquid

Format: 14 alpha/numeric characters

E3 Sample Refrigerated Temperature Quantity

The temperature at which the sample was refrigerated.

This field must be used in conjunction with a [unit of measure](#), [E3 UOM Sample Short Form Name](#).

Examples: 0 18

Format: 3 numeric characters

E3 Sample Replicate Flag

Indicates whether a replicate sample (a sample of the same type and medium taken at the same time and place, using the same method) exists. Replicate samples may have the same [E3 Sample Identification Number](#) in certain instances.

Click on the text box to place a in the box or to remove an existing .

Format: in box = “Y” (= YES); lack of a = “N” (=NO).

E3 Sample Source

Required Field

Indicates the environmental resource from which the [sample](#) was taken and which might be most directly characterized by the results from the sample.

Example: Groundwater

Format: 20 alpha/numeric characters

E3 Sample Type Code

Code that identifies the type of sample and is assigned by the laboratory. Sample types include but are not limited to a lab duplicate (i.e. a duplicate sample that was created in the lab), spike, etc.

NOTE: This attribute appears only in Transition (E3 Result) windows and dialog boxes, not in Sampling Result windows and dialog boxes.

	<u>Code</u>	<u>Explanation</u>
Examples:	LDP2	Lab duplicate #2
	LMX1	Lab matrix spike #1

Format: 5 alpha/numeric characters

E3 Sequence Number

The system-generated sequence number that the [Interface System](#) assigns to each result record it attempts to load to the [EIM System](#). If a result record fails the load process, the E3 Sequence Number applies to each of the errors associated with that record in the [Review Data Load Errors List Box](#).

Example: 6395

Format: 7 numeric characters

E3 Station Identification Code

EIM Required Field

The identification code (combination of text and/or numbers) used by the responsible person, typically the [Project Lead](#), to *uniquely* identify the [Station](#) . The Station Identification Code may be overridden during the course of a Project by a project-specific name that will not affect its universal code.

Examples: EILS567 SED8809 12A070 12101100

Format: 8 alpha/numeric characters

E3 Taxon Result ITIS Code

For the identified [Taxon](#) for a [Result](#), the unique International Taxonomic Information System code assigned to the taxon by the central authority.

This field is not strictly the Integrated Taxon Identification System Code. It may be one of two codes. If you are entering data about a freshwater organism, use the IT IS Code which is a 6-character code. If you are entering data about a marine organism, use the National Ocean Data Center (NODC) code which is generally a 4-character code.

Example: 114082 (ITIS Code for GENUS Acneus)

Format: 10 numeric characters; 0 decimal places

E3 Taxon Result Name

The full Latin name given to the taxonomic level of the subject [Taxon](#) for a [Result](#).

Examples: Arthropoda Homo Sapiens

Format: 30 alpha/numeric characters

E3 Taxon Sample ITIS Code

For the subject [Taxon](#) for a [Sample](#), the unique International Taxonomic Information System code assigned to the taxon by the central authority.

This field is not strictly the Integrated Taxon Identification System Code. It may be one of two codes. If you are entering data about a freshwater organism, use the IT IS Code which is a 6-character code. If you are entering data about a marine organism, use the National Ocean Data Center (NODC) code which is generally a 4-character code.

Example: 114082 (ITIS Code for GENUS Acneus)

Format: 10 numeric characters; 0 decimal places

E3 Taxon Sample Name

The full Latin name given to the taxonomic level of the subject Taxon for a Sample .

Examples: Arthropoda Homo Sapiens

Format: 30 alpha/numeric characters

E3 Tissue Sample Type Description

Brief description of the tissue type.

Example: Nervous tissue – that tissue making up the central and autonomic nervous system of the organism including brain tissue, brain stem, major ganglia and major nerves.

Format: 40 alpha/numeric characters

E3 UOM Field Activity Short Form Name

The abbreviation for the name of the unit of measure (UOM) associated with the field activity of depth measurement, E3 Field Activity Upper Depth Quantity or E3 Field Activity Lower Depth Quantity

Examples: cm centimeters
 km kilometers
 Nmi Nautical miles

Format: 10 alpha/numeric characters

E3 UOM Result Short Form Name

The abbreviation for the name of the unit of measure (UOM) associated with the characteristic result measurement, E3 Result Value Measure.

Examples: #/cm3 Number per cubic centimeter
 gal/min Gallons per minute
 mL/L Milliliters per liter
 ppm Parts per million

Format: 10 alpha/numeric characters

E3 UOM Sample Short Form Name

The abbreviation for the name of the unit of measure (UOM) associated with the sample refrigeration temperature measurement, E3 Sample Refrigerated Temperature Quantity.

EIM Permitted Values:

deg C Degrees Centigrade
deg F Degrees Fahrenheit
deg K Degrees Kelvin

Format: 10 alpha/numeric characters

Ecology Interaction Description

A description (or text name) of an Ecology interaction for a facility/site.

An Ecology Interaction Description is associated with an alpha code named Ecology Interaction Type.

	Ecology Interaction Type	Ecology Interaction Description
Examples:	AOPERMIT	Air Operating Permit
	HWG	Hazardous Waste Generator
	SCS	State Cleanup Site
	SWD	State Water Discharge

Ecology Interaction Type

An alpha code (acronym) associated with an Ecology Interaction Description that identifies an Ecology interaction for a facility/site.

	Ecology Interaction Type	Ecology Interaction Description
Examples:	AOPERMIT	Air Operating Permit
	HWG	Hazardous Waste Generator
	SCS	State Cleanup Site

Ecology Person

An Ecology employee. Initially, this entity type is likely to contain information about only those employees who play the lead role on a monitoring project. In the long term, however, this entity may be merged with the employee table of the (Employee Plus Information Computer (EPIC) System once that system is developed.

See also

[Project Lead](#)

Ecology Person Email Address

The complete Email address for an [Ecology Person](#).

Example: user461@ecy.wa.gov

Format: 20 alpha/numeric characters

Ecology Person FAX Number

The default facsimile number at which an [Ecology Person](#) may be reached.

Example: (360)407-5678

Format: Up to 15 alpha/numeric characters

Ecology Person First Name

Required Field

The first name of the [Ecology Person](#).

Example: John

Format: 20 alpha/numeric characters

See also

[Project Lead](#)

[Project Lead First Name](#)

Ecology Person Honorific Name

The honorific title typically used by an [Ecology Person](#).

Permitted Values:

Mrs.

Ms.

Dr.

Miss

Mr.

Format: 4 alpha/numeric characters

Ecology Person Last Name

Required Field

The last name of the [Ecology Person](#).

Example: Tooley

Format: 20 alpha/numeric characters

See also

[Project Lead](#)

[Project Lead Last Name](#)

Ecology Person Middle Initial

The middle name of the [Ecology Person](#).

Example: E

Format: 1 alpha/numeric characters

Ecology Person Phone Extension Number

The extension for an [Ecology Person's](#) phone number.

Example: 1 123456

Format Up to 6 alpha/numeric characters

Ecology Person Phone Number

The phone number for an [Ecology Person](#)

Example: (360)407-1234

Format Up to 15 alpha/numeric characters

NOTE: although there is no format requirement, the preferred format is (xxx)yyy-zzzz.

EIM Interface System

A system designed to accept data for the purpose of migrating that data to the [EIM System](#).

During a Load process, the EIM Interface System (also referred to as the Interface System) compares each record with the EIM System's minimum acceptance standards. As a result of that comparison, the Interface System either loads or rejects the record and assigns it a Load Status of either "Loaded" or "Rejected".

NOTE: As a part of the minimum acceptance standards, each Result record must have been assigned a [Project](#) and a [Station](#).

EIM Query/Report System

The EIM Query/Report System was developed in Microsoft Access. As a result it has a different format from the [EIM System](#) and some additional functionality.

The EIM Query/Report System allows the user to select [EIM System](#) or [EIM Interface System](#) attributes related to Project, Station, Characteristic, Activity/Results, and Location that will be used as search criteria.

The user may select a type of standard report or he or she may customize a report by selecting specific attributes to be included. The user may view or print the report; or the user may export the data to a spreadsheet (Excel or Access) for use in that format.

Each dialog box and screen of the EIM Query/Report System is displayed on the EIM Query/Report System window that provides some functionality that does not exist in other parts of the EIM System. When you click on "File" in the upper left corner, a dropdown menu appears. Click on "Print" to print a copy of the dialog box, screen, report, etc. that is displayed in the box below. You also may select to use MS Word and Notepad.

When you display a report format, click on the View button in the upper left corner to activate the dropdown menu that contains the items "Zoom" and "Pages". Click on "Zoom" to increase or decrease the size of the displayed report. Click on "Pages" to choose how many pages to display at one time.

See also

[**EIMQuery/Report : Form**](#)

EIM System

The Environmental Information Management (EIM) System was built to fill a growing need on the part of different agency programs to access information from the rest of the department, as well as to assist in the sharing of data between Ecology and external users. Prior to the development of EIM, each agency program stored the information that it gathered independently, and it was often very difficult for them or other programs to use it. EIM was designed to contain the most important ambient environmental monitoring and natural resource information from every program in a format that all programs could access. The information that is in EIM is intended to help users form a picture of the state of the environment in a particular area. To do so, it captures information on different projects, stations, field activities, and results. Together, records of different projects and stations and the results of observations, measurements, and samples that are conducted there help fill in the specifics of the condition of the environment.

A large group of people from different programs at the Department of Ecology worked to determine exactly what information EIM would store, how it would store it, and what it could do with the information it contains. EIM can store a wide variety of data and then pull different

Data sets together to generate reports on data from a project or monitoring station, or about a specific chemical or geographic area. For example, EIM can tell you what projects have been undertaken to characterize the water quality of a watershed, such as the Cedar River/Lake Washington system; what water quality monitoring stations Ecology operates in that watershed; and what trends exist in pollutants monitored, such as total suspended solids or nitrogen. Reports can show change over time, or how a change affects different places in different ways, which helps Ecology track the changing condition of the environment.

EIM also makes all of this environmental information available to the public. Using the Internet, individuals or groups can look at data that has been collected on a particular topic in which they are interested. EIM makes environmental data more useful and accessible for people who work at the Department of Ecology, outside researchers, and anyone else who would like to use the system.

See also

[EIM System Components](#)

EIM System Component

The [EIM System](#) includes the following six major components, each of which is accessible directly from the [EIM System Menu](#) .

[Projects](#)

[Stations](#)

[Activities/Results](#)

[Reference Tables](#)

[Interface System](#)

[Reporting System](#)

Elevation

The number of meters or feet above or below mean sea level at the [Station](#) latitude/longitude. This value is negative below the mean sea level.

NOTE: In the Interface System, the Update and Detail dialog boxes show units only only in feet. If the units of your records are in meters, be sure to follow up after the records are loaded into the EIM System to change the units to meters.

Units are expressed using [Elevation Unit Code](#) .

Value range: 0000000.000 to 9999999.999 above sea level
0000000.000 to -999999.999 below sea level

Examples: 25.3 -7.2

Format: 7 numeric characters (including a minus sign if appropriate) and 3 decimal places

Elevation Unit Code

Units in which the [Elevation](#) is measured.

NOTE: In the Interface System, the Update and Detail dialog boxes show units only only in feet. If the units of your records are in meters, be sure to follow up after the records are loaded into the EIM System to change the units to meters.

Values: FT = Feet
M = Meters (default value)

Format: 2 alpha/numeric characters

Eligible to be Loaded

Displays the number of interface records (E2 Station or E3 Results) eligible to be loaded from the [Interface System](#) to the [EIM System](#).

EPA Identifier

A unique identifier which the US Environmental Protection Agency (EPA) assigns to a [facility/site](#). Once assigned, the identifier is active until formally withdrawn by the EPA , the state, or by the owner. Not every facility/site has an EPA Identifier. The EPA Identifier may be the same as the Federal Program ID.

Error Message

A system-generated textual description of the error encountered for a result record that failed the load process from the [Interface System](#) to the [EIM System](#).

Examples: RESULT – Sample not found
 FIELD ACT – unable to find geo location for Station
 RESULT – Unit of measure not found

Format: 80 alpha/numeric characters

Facility/Site

An operation at a fixed location that is of interest to Ecology because it has an active or potential impact upon the environment.

Examples: Operation that pollutes the air or water
 Hazardous waste management facility
 Licensed laboratory
 Farm which draws water from a well
 Spill cleanup site
 Hazardous waste generator
 Solid waste recycling center

Facility/site also is one of six [facility/site components](#) within the [Facility/Site Identification System](#). The facility/site component includes attributes which identify each facility/site by its unique identifier and name, its physical address, geographic location, and miscellaneous location data.

Facility/Site Components

Each [facility/site](#) has six components in the [Facility/Site Identification System](#) which identify and describe it and the relationship Ecology has with it.

[Facility/Site](#)

[Affiliations](#)

[Interactions](#)

[SIC](#)

[Associations](#)

[Feature](#)

Facility/Site Identification System

The Facility/Site Identification System provides a central repository of key information for each [facility/site](#). It includes six [facility/site components](#).

[Facility/Site](#)

Affiliations

[Interactions](#)

SIC

Associations

Feature

Facility/Site Identifier

A unique identification number assigned to a [facility/site](#).

If a facility/site was migrated to the [Facility/Site Identification System](#) from an Ecology current system, the identifier from the current system may be retained as the Facility/Site Identifier.

When a new facility/site is added to the Facility/Site Identification System, the Facility/Site identifier is *randomly generated by the system*.

Examples: 725 1059 31084 34527421

Format: Up to 8 numeric characters

Facility/Site Name

The unique [facility/site](#) name. This may be the name by which the facility/site is commonly known (e.g. BP Gas Station) or the name of the site (e.g. Nr 4 Stack). It may include a city name to distinguish it from other similar names.

Examples: Alaska Copper & Brass
 Black Nugget Mine – NE/Creek
 Black Nugget Mine – SW/Creek
 Boeing Everett
 Boeing Plant 2
 BP Station #11032
 Bunker Creek Milepost 7.7

Format: 40 alpha/numeric characters

Federal Program ID

An identification number from any one of a number of federal information systems that applies to an Ecology [interaction](#). It *may* be the same as the [EPA Identifier](#).

Example: WAD092899574

Format: 15 alpha/numeric characters

Field Activity

Field activities are performed during a project to evaluate conditions in the environment. A field activity may consist of the collection of a [sample](#), a [measurement](#), or an [observation](#). The [results](#) of these activities may be recorded in the field or through lab analysis of a collected sample.

Field Activity Comment

Any comments or descriptive information about the [field activity](#) that took place.

Example: Visibility was poor due to heavy rain.

Format: 254 alpha/numeric characters

Field Activity End Date

The date that the [field activity](#) was completed.

Example: 11-17-1997

Format: MM-DD-YYYY

NOTE: You *must* enter the hyphens; otherwise an error message will appear.

Field Activity End Time

The time that the [field activity](#) was completed.

Example: 04:24:16 16:03:00

Format: HH:MI:SS (hours, minutes, seconds) in military time

NOTE 1: You must enter the colons.

NOTE 2: If you enter only HH:MI, the system completes the entry with “:00”.

Field Activity Grouping

Established so that field activities can be linked to each other as siblings rather than in a parent child relationship. Activities may be grouped together for various reasons appropriate to the purpose of the monitoring taking place.

Example: Group of samples taken at the same time and place but not composited.

Field Activity Grouping Reason Description

Descriptive information about the reason the associated [field activities](#) were grouped.

The system default description message reads: “Activities took place on the same date and at the same time”.

Format: 60 alpha/numeric characters

Field Activity Lower Depth Quantity

A measure associated with an activity that is normally conducted over or within a vertical depth range within the column. It measures the distance from the surface to the *lower* boundary of the zone within which the activity is conducted or over which the activity is integrated.

This measure must be used in conjunction with a [unit of measure](#), [UOM Field Activity Short Form Name](#).

Example: 10.00 (This would be the correct value to record if you were taking measurements in a section of the water column that started at 5 feet below the surface and ended 10 feet below the surface.

Format: 5 numeric characters and 2 decimal places

Field Activity Reference Point

The reference point from which the depth that the [field activity](#) took place was measured.

Example: Stream Surface

Format: 30 alpha/numeric characters

Field Activity Start Date

EIM Required Field

The date that the [field activity](#) was begun.

Example: 11-17-1997

Format: MM-DD-YYYY

NOTE: You must enter the hyphens.

Field Activity Start Time

The time that the [field activity](#) was begun.

Examples: 04:24:16 16:03:00

Format: HH:MI:SS (hours, minutes, seconds) in military time

NOTE 1: You must enter the colons.

NOTE 2: If you enter only HH:MI, the system completes the entry with “:00”.

Field Activity Type**EIM Required Field**

The type of [field activity](#) being performed.

Values: [Sample](#)
 [Measurement](#)
 [Observation](#)

Format: 11 alpha characters

Field Activity Upper Depth Quantity

A measure associated with an activity that is normally conducted over or within a vertical depth range within the column. It measures the distance from the surface to the *upper* boundary of the zone within which the activity is conducted or over which the activity is integrated.

This measure must be used in conjunction with a [unit of measure](#) , [UOM Field Activity Short Form Name](#).

Example:

5.00 (This would be the correct value to record if you were taking measurements in a section of the water column that started at 5 feet below the surface and ended 10 feet below the surface.)

Format: 5 numeric characters and 2 decimal places

Fill

The material placed in the area between a [casing](#) and a [borehole](#) in order to prevent fluid migration between permeable zones and to support the casing.

Fill Material Type Code

Required Field

Identifies the type of material used as fill for a [well interval](#) .

Examples: Bentonite
 Clay
 Cement Grout

Format: 4 alpha/numeric characters

NOTE: System converts each item from list of permitted values to a four-character code (e.g. BNTN = Bentonite; CMNT = Cement Grout)

Fill Thickness

The thickness of the [fill](#) material in an annular space, such as between the perforated casing and screened piezometer, or a surface seal, or gravel pack around a well screen.

Units are expressed using the [Fill Thickness Unit Code](#).

Example: 3.5

Format: 3 numeric characters and 3 decimal places

Fill Thickness Unit Code

Units in which the [Fill Thickness](#) is expressed

Values: CM = Centimeters
 IN = Inches

Format: 2 alpha/numeric characters

Fill Volume

The volume of the [fill](#) for a [well interval](#). This is the thickness times the fill height.

Units are expressed using the [Fill Volume Unit Code](#) .

Example: 4.5

Format: 4 numeric characters and 3 decimal places

Fill Volume Unit Code

Units in which the [Fill Volume](#) is expressed.

Values: Cubic Feet
 Cubic Meters
 Cubic Yards

Format: 12 alpha/numeric characters

Geographic Area

A geographic structure or feature typically defined using [GIS](#) tools. Geographic areas are used to define [Project](#) study areas.

Geographic Area Name

Required Field

The common name assigned to the [Geographic Area](#) of interest.

Example: Nooksack Water Resources Inventory Area

Format: 30 alpha/numeric characters

Geographic Area Type

Required Field

A code describing the geospatial feature type of the [Geographic Area](#) of interest.

Permitted Values:

County
User Defined
HUC
[WRIA](#)
Other

Format: 12 alpha/numeric characters

Geographic Area GIS Feature ID

An identifier used to reference the object in the [GIS](#) environment. This will typically be the feature id in the relevant GIS coverage.

Example: 1001

Format: 10 numeric characters; 0 decimal places

Geographic Area GIS Theme Name

An identifier used to reference the object in the [GIS](#) environment. The will typically be the name of the relevant GIS coverage or theme.

Examples: [County](#)
 [WRIA](#)

Format: 80 alpha/numeric characters

Geographic Position

Required Field

A general description of the geographic location of the [Station](#) being mapped in relationship to the ground.

Choose "Geographic Position", which consists of a code and a text description, from the drop-down list box in the [Combined Code Table](#) named **Geographic Position**.

The default Geographic Position is 24 = Monitoring Station.

Code Range: 01 – 24, plus 99 = “Unknown”

Example: 01 NE Corner of Land Parcel
 99 Unknown

Format: 2-digit code and a text name

NOTE: If you change the Geographic Position when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

GIS

An acronym for Geographic Information System.

GIS Verified Flag

A flag (or code) generated by the program commonly known as “[Skipper](#)”. A “ ” in the box at the left of the words “GIS-verified” indicates that “Skipper” was able to verify the geographic coordinate entries for the [Station](#).

Click on the text box to place a in the box or to remove an existing .

Format: in box = “Y” (= YES, verified); lack of a = “N” (=NO, not verified).

Horizontal Accuracy Level

Required Field

The code for the range within which the measured value of the horizontal coordinate for the [Station](#) may vary from the actual value.

Choose "Horizontal Accuracy Level" from the dropdown list box in the [Combined Code Table](#) named **Horizontal Accuracy Level**.

Code range: 01 – 13, plus 99 = "Unknown"

Examples: 01 = > 1/100 Meter
06 = +/- 40 feet (12 meter)
13 = Greater than 2000 feet

Format: 2 numeric characters

NOTE: If you change any entry in the "Location" section of the Stations Window (except for Description) when you are in [UPDATE](#) mode, then the Horizontal Accuracy Level must be more accurate (a lower code number) than the previous one.

Horizontal Collection Method

Required field

The technique used to collect the coordinates of a [Station](#).

Choose "Horizontal Collection Method" from the dropdown list box in the [Combined Code Table](#) named **Horizontal Collection Method**.

Code range: 01-28, plus 99 = "Unknown"
Examples: 01 Address Matching -- Block Face
14 Digitized -- paper map
28 Zip Code Centroid

Format: 2 numeric characters

NOTE: If you change the Horizontal Collection Method when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Horizontal Collection Source

Required Field

The scale of the base map source of information used to determine the latitude and longitude of the [Station](#). Density of natural features displayed on the base map will vary by base map scale.

Choose "Collection Source" from a drop-down list box in the [Combined Code Table](#) named

Horizontal Collection Source.

Range: 1 - 23, plus 99 = unknown

Examples: 1 = Not applicable
2 = 1:500,000
10 = 1:24,000
23 < 1:500

Format: 2 numeric characters

Horizontal Collection Source -- continued

NOTE: If you change the Horizontal Collection Source when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Horizontal Datum

Required field

The shape or spheroid to which the surface of the earth has been orthographically transferred to depict the latitude/longitude.

This field identifies whether the NAD27 or NAD83 is the reference for the horizontal coordinate of the [Station](#).

Choose "Horizontal Datum" from the dropdown list box in the [Combined Code Table](#) named **Horizontal Datum.**

Code range: 01 - 04, plus 99 = "Unknown"

Examples: 01 North American Datum 1927 (NAD27)
02 North American Datum 1983 ('91 Adj.) (NAD83)

Format: 2 numeric characters

If using GPS with the horizontal datum set to WGS (World Geodetic System), choose value 04 = WGS84 (GPS NAVD88).

If using USGS Quad 7.5' or 15' quads or NOAA (National Oceanographic & Atmospheric Administration) charts, choose value 01 = NAD27.

NOTE: If you change the Horizontal Datum when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Interaction

One of six [facility/site components](#). An interaction identifies a reason Ecology has an interest in a [facility/site](#). Each reason is related to an active or potential threat by the facility/site to the environment. An interaction includes attributes that identify each interaction by its type (e.g. Air Operating Permit, Hazardous Waste Generator), other Ecology systems that contain data about it and the facility/site. It also includes attributes that provide its effective and end dates and an active or inactive status indicator.

Each interaction has both an [Ecology Interaction Type](#) (code) and an [Ecology Interaction Description](#).

	Ecology Interaction Type	Ecology Interaction Description
Examples:	AOPERMIT	Air Operating Permit
	HWG	Hazardous Waste Generator
	SCS	State Cleanup Site
	SWD	State Water Discharge

Interaction End Date

The date that the [Interaction Status](#) changes for the [interaction](#) between Ecology and the [facility/site](#).

Example: 04-18-1997

Format: MM-DD-YYYY

Interaction Start Date

The date, if known, that the [interaction](#) between Ecology and the [facility/site](#) was (1) established or (2) originally entered.

NOTE: Assign the date of 07-04-1776 if the Interaction Start Date is unknown.

Examples: 07-04-1776 (unknown start date)
04-18-1997

Format: MM-DD-YYYY

Interaction Status

A status code that identifies whether the [interaction](#) Ecology has with a [facility/site](#) is active or inactive.

Values: A = Active (default value)
 I = Inactive

Format: System converts selection of an option
 Button to 1 alpha character

Interface Batch Number

Required Field

The number assigned to a group of result records entered or submitted for entry into the Interface System. Generally, the organization or group submitting the records assigns the batch number.

The Interface Batch Number, together with the [Interface System Name](#) and the [E3 Sequence Number](#), uniquely identifies a result record.

Example: 6395

Format: 5 alpha/numeric characters

Interface Delete Status Options

Includes four options for [deleting](#) E3 Result Records. Three are [Interface Load Status Code](#) Options and one is an “All” option. These are displayed in the [Administration Dialog Box](#). By selecting one of these options, you will delete all records that match the option from the identified system and batch.

The four options include:

Rejected: The Result records failed to be loaded.

Loaded: The Result records were successfully migrated to the [EIM System](#).

Deferred: The user selected to defer the loading of the Result record until a later time. Perhaps the data were incomplete or the user was not sure the data were correct.

All: Includes all three categories (Rejected, Loaded, and Deferred).

NOTE: It is possible to delete every record of a batch when you select any one of the four options defined above. When you do so, the [Interface System](#) also deletes the Project record (and the Station record if applicable).

Interface Load Process Message

A message that appears in the third section of the [Results Load Confirmation Dialog Box](#) and the [Stations Load Confirmation Dialog Box](#). Prior to a load process, the message instructs you to press the load button to begin the load process. Following a load process, the message advises whether the load was successful or unsuccessful, or provides other information.

Interface Load Status

Indicates the state of the data load process for the E2 Station or E3 Result record.

Values:

Rejected: (System set) The record failed to be loaded during a load process.

Loaded: (System set) The record was successfully loaded (i.e. migrated to the [EIM System](#)).

Deferred: (User set) By clicking on the Deferred Pushbutton, the user defers the loading of the record until a later time. Perhaps the data were incomplete or the user was not sure the data were correct.

Blank or No Status: Applies when (1) a record has not yet been through a load process or (2) a user has clicked on the Reset Pushbutton to change the record's load status from "Deferred" or "Rejected" record in order to put it through another load process.

Format: 12 alpha/numeric characters

Interface Percent Progress Message

A message that appears in the fourth section of the [Results Load Confirmation Dialog Box](#) and the [Stations Load Confirmation Dialog Box](#). During a load process, the message displays the percent of progress.

Interface Search Record Count

The number of interface records (E2 Station or E3 Result Records) the system finds and displays after conducting a search based on the criteria you entered.

Interface System Name

Required Field for Interface System

The short name of the system for which result records have been entered into [the Interface System](#) in order to be loaded to the [EIM System](#).

Examples: LIMS PSAMP

Format: 5 alpha/numeric characters

Laboratory

A recognized facility which performs various analysis procedures on field samples for various [characteristics](#) giving results.

See also

[E3 Lab Sample Name](#)

[Laboratory Name](#)

Laboratory Name

Required Field

The formal name by which a [laboratory](#) facility is commonly known.

Example: Manchester Laboratory

Format: 60 alpha/numeric characters

See also

[Lab Result Name](#)

[Lab Sample Name](#)

Lab Phone Number

The telephone number of associated with the Laboratory Name.

Example: 360-871-8860 (phone number for Ecology's Manchester Laboratory)

Format: 15 alpha/numeric characters

Lab Result Name

The [Laboratory Name](#) by which the [laboratory](#) which actually processed the [samples](#) is commonly known. This is not necessarily the same laboratory to which the sample originally was sent.

Example: Manchester Laboratory

Format: 60 alpha/numeric characters

See also

[Lab Sample Name](#)

Lab Sample Name

The [Laboratory Name](#) by which the [laboratory](#) to which the [sample](#) originally was sent is commonly known. This is not necessarily the same laboratory that processed the results.

Example: Manchester Laboratory

Format: 60 alpha/numeric characters

See also

[Lab Result Name](#)

Last Update Time/Date Stamp

The date and time (military) assigned by the system when the database record (e.g. a characteristic record or an alias record) was last updated.

Example: 10-09-1997 15:10

Format: 20 alpha/numeric characters

Last Update User ID

The unique id assigned to the system user who last updated the record (e.g. a characteristic record or an alias record). This will usually correspond to the user's [System User Id](#)

Example: JT00461 GDES461

Format: 8 alpha/numeric characters

Lat Degree Number

(Latitude Degree Number)

Required if using Latitude/Longitude Coordinate Referencing System and not entering decimal value ([Decimal Latitude](#))

The degrees measure of the latitude of the Station. The first of three quantities that comprise the full latitude coordinate of the Station.

Range: 45 - 49

Format: 2 numeric characters

NOTE: If you change the Lat Degree Number when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Lat Minute Number

(Latitude Minute Number)

Required if using Latitude/Longitude Coordinate Referencing System and not entering decimal value ([Decimal Latitude](#))

The minutes measure of the latitude of the [Station](#). The second of three quantities that comprise the full latitude coordinate of the Station.

Range: 00 - 59

Format: 2 numeric characters

NOTE: If you change the Lat Minute Number when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Lat Second Number

(Latitude Second Number)

Required if using Latitude/Longitude Coordinate Referencing System and not entering decimal value ([Decimal Latitude](#))

The seconds measure of the latitude of the [Station](#). The third of three quantities that comprise the full latitude coordinate of the Station.

Range: 00.00 - 59.99

Format: 2 numeric characters and 2 decimal places

NOTE: If you change the Lat Second Number when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Lat/Long

(Latitude/Longitude)

Latitude (X coordinate) and longitude (Y coordinate) are ellipsoidal coordinate representations that show locations on the surface of the earth using the equator and the prime meridian (Greenwich, England) as the respective latitudinal and longitudinal origins.

Degrees of latitude are represented in the standard format by a two-digit decimal number ranging from 0 through 90 (the range for Washington is 45 - 49).

Degrees of longitude are represented in the standard format by a three-digit decimal number ranging from 0 through 180 (the range for Washington is 116-125).

Decimal portions of latitude and longitude also may be expressed in terms of minutes (00 - 59) and seconds (00.00 - 59.99)

See Also

[Decimal Lat](#)

[Lat Degree Number](#)

[Lat Minute](#)

[Lat Second](#)

[Decimal Long](#)

[Long Degree Number](#)

[Long Minute](#)

[Long Second](#)

Legislative District Number

No entry needed. The program "[Skipper](#)" will populate this field.

The number and associated text description of the Washington Legislative District in which the [Station](#) is located.

If you wish to enter a Legislative District Number for a Station, click on the prompt and choose the appropriate one from the drop-down list box in the [Combined Code Table](#) named **Legislative District**.

Range: 01 - 49

Example: 12 Legislative District No. 12

LIMS

An acronym for the Laboratory Information Management System. Ecology's Manchester Laboratory uses a custom designed LIMS for internal data tracking and processing. That system provides an electronic feed of final results to the [EIM Interface System](#) for loading into the [EIM System](#).

Linked Activities Indicator

A search criteria flag (i.e. a check mark [☐] by which the user indicates that the matches returned from a search of the EIM database should include all that match the criteria the user has specified in the [EIMQuery/Report : Form Dialog Box](#) *and* any activities linked to any of those matches.

This indicator is active only when the [Advanced Query Indicator](#) is active (i.e. has a check mark [☐] in the box).

NOTES:

1. Activating this indicator may result in a VERY LONG processing time before the results are available to view or print. You may wish to consider this before you activate this indicator and run your query.
2. To end a query that is running longer than you wish, go to the Task Manager screen for Windows. Click on **EIM Query/Report System** in the list box; then click on the “End Task” button. This will close all your EIM System windows, but it will leave the **EIM System Menu Window** minimized in a button marked “Environmental...” on the lower bar of your screen. Click on that button to reactivate the menu.

Location Address

The physical address of a [Station](#). This may not be the same as its mailing address.

Examples: E. Fifth St and Blanford Dr
 3886 Flickering Star Drive
 1/4 MI NE OF S FLINT RD AND W ELECTRIC

Format: Up to 40 alpha/numeric characters

Location City

The city in which the [Station](#) is located.

Example: Tacoma

Format: Up to 25 alpha/numeric characters

Location Description

Required Field

A single line of text provided to help locate the [Station](#) .

Example: 200 yards north of the cattle crossing grating

Format: 40 alpha/numeric characters

Location State

The state in which the [Station](#) is located.

Choose **Location State** from the drop-down list box.

Values: WA, OR, ID, or BC

Format: 2 alpha characters

Location Zip Code

The zip code of the physical address of the [Station](#).

Examples: 98513
985134144
98513-4144

Format: 10 numeric characters
May be entered as NNNNN
Or NNNNNYYYY
Or NNNNN-YYYY

NOTE: If 9 numeric characters are to be entered, a hyphen may be inserted between the first 5 and the last 4. If not entered, the system will insert the hyphen.

Long Degree Number

(Longitude Degree Number)

Required if using Latitude/Longitude Coordinate Referencing System and not entering decimal value ([Decimal Longitude](#))

The degrees of measure of the longitude of the [Station](#). The first of three quantities that comprise the full longitude coordinate of the Station.

Range: 116 - 125

Format: 3 numeric characters

NOTE: If you change the Long Degree Number when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Long Minute Number

(Longitude Minute Number)

Required if using Latitude/Longitude Coordinate Referencing System and not entering decimal value ([Decimal Longitude](#))

The minutes measure of the longitude of the [Station](#). The second of three quantities that comprise the full longitude coordinate of the Station .

Range: 00 - 59

Format: 2 numeric characters

NOTE: If you change the Long Minute Number when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Long Second Number

(Longitude Second Number)

Required if using Latitude/Longitude Coordinate Referencing System and not entering decimal value ([Decimal Longitude](#))

The seconds measure of the longitude of the [Station](#). The second of three quantities that comprise the full longitude coordinate of the Station.

Range: 00.00 - 59.99

Format: 2 numeric characters and 2 decimal places

NOTE: If you change the Long Second Number when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Measurement

A measurement involves something measured in its environmental setting usually using some type of instrument. A measurement result has a numerical value.

Measurement is one of three types of Field Activity. The other two types are [Observation](#) and [Sampling](#).

Method

Methods used (a) in the field to take [samples](#) , [measurements](#) , or [observations](#) , and (b) in the lab to analyze samples. Each method is categorized into one of several method types: analysis, collection, preservation, and preparation. A single analytical method must be defined for an results derived from sampling or measurement field activities. Additionally, one or more methods also may be defined for a given sample, if desired.

Method Category

Required Field

The category of the [method](#) being used. The ANALYSIS category (used in the field or the lab) will be mandatory for a [result](#). COLLECTION, MEASUREMENT, PROCESS, and PRESERVATION categories will be used to define the method for the [sample](#).

Permitted Values:

Analysis
Collection
Measurement
Preparation
Preservation

Format: 12 alpha/numeric characters

Method Code

Required Field only at the Result level – If Field Activity Type is “Measurement” or “Sample”, not if “Observation”

The code assigned to the analytical procedure(s) ([Method Description](#)), as listed in the reference document, used to derive the [result](#). The assignment of a code to a Method Description will be managed by a central systems administration function.

Select from a list of permitted values.

Example: EPA330.2 – the Method Code assigned to the Method Description “Chloride, Sulfate determination”

BART – The Method Code assigned the Method Description “Biological Activity Reaction Tests”

Format: 10 alpha/numeric characters

Method Description

The descriptive name of the analytical procedure(s), as listed in the reference document, used to derive the [result](#). Each Method Description is assigned a [Method Code](#) by a central systems administration function.

Example: Chloride, Sulfate determination – the Method Description to which the Method Code EPA330.2 has been assigned

Method Source

Lists the source from which the field or lab method is derived.

Example: EPA

Format: 10 alpha/numeric characters

MS Access Path

The DOS path to the Microsoft (MS) Access executable named MSACCESS.EXE on a user’s PC. Access to this file is needed to provide the user access to the [Reporting System component](#) of the [EIM System](#) which is written in MS Access.

If your PC has MS Access 97, the [EIM System](#) will locate the ms.access.exe file automatically. The MS Access Path text box in the Change Defaults Dialog Box will be grayed out and inactive.

If, however, you do not have MS Access 97, click on the Path Specified box to place a check mark (☐) in the box to activate the text box. Then, enter the full DOS path to your

ms.access.exe file in the text box. If you are unable to determine the DOS path, contact your local Computer Support staff person.

Observation

An observation involves something observed in its environmental setting usually without using any type of instrument. An observation result does not have a numerical value; it generally has a text description.

Observation is one of three types of [Field Activity](#). The other two types are [Measurement](#) and [Sampling](#).

Opening

A perforation in the [casing](#) or the [borehole](#) which allows water in the surrounding strata to enter the [well](#). When the opening is in the casing, it may be screened or unscreened. Screened openings may have a mesh size and material.

Opening Description

Additional text that provides further description of the [Opening](#).

Example: The wire wound screen was telescoped into the casing with an inflatable packer.

Format: 120 alpha/numeric characters (Case sensitive)

Opening Length

The measure of the length of an [opening](#) for a [Well Interval](#).

Units are expressed using [Opening Length Unit Code](#).

Example: 5.25

Format: 2 numeric characters and 3 decimal

Opening Length Unit Code

Units in which the [Opening Length](#) is expressed.

Values: IN = Inches
 CM = Centimeters

Format: 2 alpha/numeric characters

Opening Material Type Code

Identifies the type of material of which the [Well Interval](#) screen protection is constructed.

Select from list of permitted values.

Examples: Brass
Galvanized Iron
Plastic, PVC (non-glued)

Format: 2 alpha/numeric characters

NOTE: System converts each permitted value to a two-character code (e.g. BR = Brass; PN = Plastic PVC (non-glued))

Opening Mesh Size

The measure of the size of the mesh in the screened [Opening](#) of a [Well Interval](#).

Units are expressed using the [Opening Mesh Size Unit Code](#).

Examples: 8.333
25

Format: 2 numeric characters and 3 decimal places

Opening Mesh Size Unit Code

Units in which the [Opening Mesh Size](#) is expressed.

Values: CM = Centimeters
IN = Inches
NU= No Units (e.g. applies to 25 mesh)

Format: 2 alpha characters

Opening Type Code

Required Field

Identifies the type of [Openings](#) of the [Well Interval](#). Openings are permeable portions of the well [Casing](#) or lining.

Select from list of permitted values.

Examples: Fractured Rock
Louvered Screen
Mesh Screen

Format: 4 alpha/numeric characters

Opening Width

The width of an [Opening](#) for a [Well Interval](#). Enter the short dimension of perforations or slots openings.

NOTE: Width of wire wrap screens should be given as the screen [Opening Mesh Size](#).

Example: .015

Format: 4 numeric characters and 3 decimal places

Opening Width Unit Code

Units of measure in which [Opening Width](#) is expressed.

Values: IN = Inches
CM = Centimeters

Format: 2 alpha/numeric characters

Parent Taxon ITIS Code

The [Taxon ITIS Code](#) of the parent of the named [Taxon](#).

Example: 114069
(Taxon ITIS Code for Family Psephenidae) is the Parent Taxon ITIS Code for GENUS Acneus (114082).

Format: Up to 10 numeric characters; 0 decimal places

Password

The *current* password of the system user. Initially, the [EIM System's](#) security system, known as SARGE, assigns a password to a new user. Subsequently, the user may change the password at will using the process described in the [Change Password Dialog Box](#). Access this dialog box by clicking on [Change Password](#) on the [EIM System Menu](#) menu bar.

Examples: JINGLE WHAT TOM249

Format: 1-6 alpha-numeric characters

Processed

Displays the current number of records processed during a loading of E2 Station or E3 Result records from the [Interface System](#) to the [EIM System](#).

Project(s)

Project is one of the six [EIM System Components](#).

A Project or survey is a planned activity or set of monitoring activities conducted for the purpose of collecting information about a given area or natural resource. Each project is uniquely identified by a [Project Identification Code](#) and [Project Name](#).

Example: DDT monitoring in clam tissue in the southern Puget Sound area

An E1 Project is a project for which data are entered into the [Interface System](#) for potential migration to the [EIM System](#).

Project Access Level

Indicates the type of access (R = READ; U = UPDATE) that a specific [Project User Group](#) has been granted for a [Project](#).

Project End Date

The date on which a [project](#) was completed. Typically, this should be upon completion of any published reports.

Example: 12-12-1996

Format: MM-DD-YYYY

NOTE: You *must* enter the hyphens; otherwise an error message will appear.

Project Identification Code**Required Field**

The identification code (combination of text and numbers) used by the [Project Lead](#) to *uniquely* identify the [Project](#).

Examples: EILS567 SED8809

Format: 8 Basic Text characters

Project Lab Cost Estimate

An estimate of the approximate lab costs to be incurred by the [project](#).

Example: \$20,000

Format: 80 alpha/numeric characters

Project Lead

Required Field

The [Ecology Person](#) designated as the one responsible for the [Project](#) or the contact person for that Project.

Project Lead consists of the following two attributes:

[Project Lead First Name](#): Same as [Ecology Person First Name](#)

[Project Lead Last Name](#): Same as [Ecology Person Last Name](#)

NOTE: You must select or correctly enter the first and last names of an Ecology Person from the [Ecology Person List Box](#). Otherwise, an error message will be displayed that reads “Lead person could not be found”.

Project Lead First Name

The first name of the [Ecology Person](#) with knowledge of the [project](#) and who can assist the public in finding additional information about a given project. It may be the [project lead](#), the principle investigator, project staff, or a grant officer.

NOTE: You must select or correctly enter the first and last names of an Ecology Person from the [Ecology Person List Box](#). Otherwise, an error message will be displayed that reads “Lead person could not be found”.

Project Lead First Name -- continued

Examples: Russ John

Format: 20 alpha/numeric characters

See also

[Project Lead](#)

Project Lead Last Name

The last name of the [Ecology Person](#) with knowledge of the [project](#) and who can assist the public in finding additional information about a given project. It may be the [project lead](#), the principle investigator, project staff, or a grant officer.

NOTE: You must select or correctly enter the first and last names of an Ecology Person from the [Ecology Person List Box](#). Otherwise, an error message will be displayed that reads “Lead person could not be found”.

Examples: Darr Tooley

Format: 20 alpha/numeric characters

See also

[Project Lead](#)

Project Name

Required Field

The name assigned to the [Project](#) by the [Project Lead](#) .

Examples: Radioactive poisoning in Hanford employees
 DDT measurements for fish in the Lower Puget Sound area

Format: 60 Basic Text characters

Project Program Code

The code which identifies the Ecology Program which is primarily responsible for the [project](#).

Examples: HWTUR EILS

Format: 10 alpha/numeric characters

Project Purpose

Required Field

A summary description of the purpose of, or the hypothesis to be tested by the [project](#). It should include the reason(s) for initiating the project, plus its goals and expectations.

Example: This project will examine the amounts of DDT found in clam tissue samples in the Lower Puget Sound area. The intentions are to measure the effect the spill has had on the fish in the area.

Format: 254 alpha/numeric characters

Project Quality Assurance (QA) Description

A summary of the Quality Assurance Project Plan (QAPP) approved for the [project](#). The QAPP must follow the guidance in Ecology Document 91-16, Guidelines and Specifications for Preparing Quality Assurance Project Plans and/or EPA Document 841-96-003, The Volunteer Monitor's Guide to Quality Assurance Project Plans.

A QAPP is required for Project QA Levels 3 and 4.

Format: 254 alpha/numeric characters

See also

[Project Quality Assurance \(QA\) Level](#)

Project Quality Assurance (QA) Level

Required Field

A number reflecting the perceived quality of the data associated with the [project](#).

Values: 1 – 4

Each Quality Assurance Level (QAL) is described below. In order to be rated at a given level, the criteria for both Planning and Report documents must be met.

Level 1 **Planning:** Informal QA Documentation or
 No Documentation available
 Report: Data report/spreadsheet

A QA *planning document* includes a description of the project, statements of project objectives, detailed sampling design including rational and sampling locations, and descriptions of, or references to, sampling, analysis and quality control procedures.

Level 2 **Planning:** Basic/Boiler-Plate or Generic QA Planning Document
 Report: Informal/summary project report available

A QA planning document includes a description of the project, statements of project objectives, detailed sampling design including rational and sampling locations, and descriptions of, or references to, sampling, analysis and quality control procedures.

Level 3 **Planning:** QAPP or Equivalent
 Report: Formal project report

A *Quality Assurance Project Plan (QAPP)* must follow the guidance in Ecology Document 91-16, Guidelines and Specifications for Preparing Quality Assurance Project Plans and/or EPA Document 841-B-96-003, The Volunteer Monitor's Guide to Quality Assurance Project Plans.

A *formal project report* is a document describing project objectives, procedures, results, conclusions and **assessment of the quality of the data**.

Both the QAPP and the formal project report must be available to the user.

Bibliographic citations should be provided (see [Project Bibliography Dialog Box](#)).

Level 4 **Planning:** Approved QAPP
 Report: Peer reviewed project report

A *Quality Assurance Project Plan (QAPP)* must follow the guidance in Ecology Document 91-16, Guidelines and Specifications for Preparing Quality Assurance Project Plans and/or EPA Document 841-B-96-003, The Volunteer Monitor's Guide to Quality Assurance Project Plans.

A *formal project report* is a document describing project objectives, procedures, results, conclusions and **assessment of the quality of the data**. A *peer reviewed project report* means the report was checked or reviewed for accuracy and completeness by a supervisor or colleague with appropriate experience (does not require independent, outside scientific review, as for juried publications).

Both the QAPP and the formal project report must be available to the user.

Bibliographic citations should be provided (see [Project Bibliography Dialog Box](#)).

Examples:

Entering historical monitoring data; no formal QA documentation or project report is known. Assign QAL = 1

Ecology staff collects data during inspection, under a generic programmatic QAPP that covers typical inspections. Inspector writes report. Assign QAL = 2.

Multi-year watershed analysis, involving extensive monitoring, is supported by an approved QAPP. Formal project report is available. Assign QAL = 3. If report is peer reviewed, assign QAL = 4.

Intensive monitoring program associated with cleanup site is supported by an approved QAPP. Results exist, but there is no project report. Assign QAL = 1. When formal report is complete, change QAL = 3. When peer reviewed project report is completed, change QAL = 4.

Format: 1 numeric character

NOTE: Additional QA information/detail may be entered in the [Project Quality Assurance Description](#) .

Project Resource Estimate

An estimate of the human and other resources required for the [project](#) .

Example: Lead Investigator .5 FTE
 Field Technician 1.0 FTE

Format: 80 alpha/numeric characters

Project Results Description

A brief summary of the results of the [project](#). The fully detailed project report may be referred to by attaching the relevant bibliographic citation to the project.

Example: There was no detectable DDT in the livers of the fish in Lake Washington.

Format: 254 alpha/numeric characters

Project Special Requirements

Any special requirements the [project](#) may have.

Example: Samples must be taken between May 1 and July 31. Permission from the Canadian government must be obtained before collecting samples.

Format: 254 alpha/numeric characters

Project Start Date

Required Field

The date on which a [project](#) began.

Example: 12-12-1996

Format: MM-DD-YYYY

NOTE: You *must* enter the hyphens; otherwise an error message will appear.

Project Station

Defines the physical monitoring sites (points, lines or areas) or [stations](#) that are associated with a [project](#). A station may be used by multiple projects. A station may have a project-specific name known as the [Project Station Name](#).

Example: The monitoring project “DDDT concentration in clam tissue” will include stations ABC, DEF, and GHI.

Project Station Name

Required Field

The project-specific name defined by the [Project Lead](#) for a given [station](#) during the course of a specific [project](#). It *may* be the same as the [Station Identification Code](#). A Station that is associated with multiple projects may have multiple Project Station Names.

A Project Station Name must be unique within a specific project; but, a Project Station Name does *not* need to be unique *across* projects.

Example: MW1 (Station ABC will be referred to as MW1 during the current project.)

Format: 40 alpha/numeric characters

Project Status Code

The logical state describing the current condition of the project.

Values: Proposed
 On Hold
 Active
 Data Completed
 Completed

Project User Group

A group of users who have been given READ or UPDATE access to a [Project](#) and the data associated with that Project.

Project User Group Name

The name assigned to a [Project User Group](#).

Examples: ALL USERS (includes each user who may access the EIM system. Only the EIM System Administrator has UPDATE rights to the ALL USERS Project User Group.)

SILVER LAKE – TEAM A

Format: 40 alpha/numeric characters

Protected Fields

Text boxes that are “grayed out” and cannot be [INSERTed](#) or [UPDATED](#) either in the active window or until one or more conditions have been met. You may be able to INSERT or UPDATE them in another window.

Examples:

Latitude in the [Field Activities Insert/Update Dialog Box](#) may not be Inserted or Updated in this window, but it may be in the [Stations Window](#).

In the **Stations Window**, Well Station on the Menu Bar and the Well Station Pushbutton are not active unless the highlighted station is a Well Station (i.e. there is a check mark (☐) in the box called Well Station Indicator Flag).

Range

The term "Range" refers to the Range of the Section Township Range (STR) Grid System. A range is a single series or row of townships, each six miles square, extending parallel to and numbered east and west from a survey base meridian line.

Range Direction Code

Required Field if using Section Township Range Coordinate Referencing System

The east or west direction of the [Range](#) in which the [Station](#) is located.

Choose "Range Direction Code" from the drop-down option box in the [STR Insert/Update Dialog Box](#).

Values: E (East) W (West)

Format: 1 alpha character

NOTE: If you change the Range Direction Code when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Range Number

Required Field if using Section Township Range Coordinate Referencing System

The Range row (X-axis) of the [Range](#) in which the [Station](#) is located.

Values: 1 - 47

Format: 2 numeric characters

NOTE: If the range number contains a value for a half-range, you must determine the latitude and longitude from an external source (e.g. a US Geological Survey quadrangle map).

NOTE: If you change the Range Number when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Reference Tables

Reference Tables is one of the six [EIM System Components](#).

It consists of a number of tables (e.g. Characteristics, Taxon, Methods) that are called by other procedures in the system.

Region

The term "Region" identifies the Ecology Regional Office in which the [Station](#) is located.

Region Code

No entry needed. The program "[Skipper](#)" will populate this field.

The Ecology Regional Office in which the [Station](#) is located.

If you wish to enter a Region Code for a Station, click on the prompt and choose the appropriate code from the drop-down list box of the [Combined Code Table](#) named **Region**.

Code Values:	CRO	Central Regional Office
	ERO	Eastern Regional Office
	NWRO	Northwest Regional Office
	SWRO	Southwest Regional Office

Format: 3 or 4 alpha characters and text name

Rejected Result Indicator

Indicates whether a user has rejected a particular result (Sample or Measurement) for a specific Project. In order to complete the rejection of a result, the user also must enter a reason for the rejection in either of two attribute text fields, [Result Validation Method Description](#) or [Result Value Description \(Comment\)](#).

Click on the text box to place a ☐ in the box or to remove an existing ☐.

Format: ☐ in box = "Y" (= YES, Rejected); lack of a ☐ = "N" (=NO, not Rejected).

Reporting System

Reporting System is one of the six [EIM System Components](#).

The user may enter query criteria and produce various reports based on the resulting matching records.

Result

Specific information about an environmental characteristic determined by field measurement(s), observation(s), or analytical procedure(s) performed on samples. Results for the basis of the analysis that is performed during a project to test a hypothesis.

Example: 1.04 ppm of Cadmium was found in Sample xyz by Manchester Lab.

See also

[E3 Result Reported Value](#)

[E3 Result Instrument Value](#)

[E3 Result "Stored As" Value](#)

[Result Reported Value](#)

[Result Instrument Value](#)

[Result "Stored As" Value](#)

Result Analysis Date

Required Field

The date that the [result](#) was analyzed by the [laboratory](#). This can be important where the delay between sampling and analysis might affect the measured result.

Example: 11-17-1997

Format: MM-DD-YYYY
You must enter the hyphens.

Result Analysis Time

The time that the [result](#) was analyzed by the [laboratory](#). This can be important where the delay between sampling and analysis might affect the measured result.

Example: 04:24:16 16:03:00

Format: HH:MI:SS (hours, minutes, seconds) in military time
NOTE 1: You must enter the colons.
NOTE 2: If you enter only HH:MI, the system completes the entry with “:00”.

Result Comment

Brief textual comments about the [result](#).

Format: 254 alpha/numeric characters

NOTE re GROUND WATER LEVEL: For the characteristic WATER LEVEL IN WELL there are 16 result qualifiers, (use only the letter code) which may be added to the COMMENT field. They are:

- D The site was dry (no water level is recorded)
- E The site was flowing recently
- F The site was flowing, but the head could not be measured
- G A nearby site that taps the same aquifer was flowing
- H A nearby site had been flowing recently
- I Injector site (recharge water being injected)
- J Injector site monitor (a nearby site is injecting)
- N The measurement was discontinued
- O An obstruction was encountered in the well
- P The site was being pumped
- R The site has been pumped recently
- S A nearby site was being pumped
- T A nearby site had been pumped recently
- V Foreign substance was present on the water
- W The well was destroyed

Z Other conditions that could affect the measured level

Result Confidence Level Percent Measure

The confidence interval associated with numeric Result Reported Value, if appropriate

Permitted Values:

90 95 99 99.9

Format: 2 numeric characters and one decimal place

Result Data Qualifier Code

Required Field

A code associated with numeric Result Reported Value data reported by laboratories. The value is used for quality assurance/quality control purposes. While not all data are qualified, appropriate data qualifiers must be entered for any results qualified by the lab doing the analysis.

Example:	E	Reported result is an estimate.
	G	Value is greater than result reported.
	J	The analyte was positively identified.
		The associated numerical result is an estimate.
	J?	Translation of a data qualifier that does not exist in EIM, but which may be reasonably interpreted as “ <i>the analyte was positively identified. Consider the associated numerical an estimate.</i> ” The original definition may have varied, but the intent was to treat the positively identified result as an estimate.
	N	For organic analytes, there is evidence the analyte is present in this sample.
	NAF	Not analyzed for.
	NC	Not calculated.
	NJ	There is evidence that the analyte is present.
		The associated numerical result is an estimate.
	QNS	Quantity not sufficient.
	REJ	Data are unusable for all purposes.
	R?	Translation of a data qualifier that does not exist in EIM, but which may be reasonably interpreted as “ <i>the analyte is unreliable and therefore unusable.</i> ” The original definition may have varied, but the intent was to denote the result as unreliable and therefore unusable.
	U	The analyte was not detected at or above the reported result.
	U?	Translation of a data qualifier that does not exist in EIM, but which may be reasonably interpreted as “ <i>the analyte was not detected at or above the reported result.</i> ” The

original definition may have varied; but the intent was to denote the result as not detected.

- UJ The analyte was not detected at or above the reported estimated result.
- UJ? Translation of a data qualifier that does not exist in EIM, but which may be reasonably interpreted as “*the analyte was not detected at or above the reported estimated result.*” The original definition may have varied; but the intent was to denote the result as not detected at the estimated level reported.

Format: 3 alpha/numeric characters

Result Instrument Value

The measured value for a test *as recorded by the equipment.*

This value may be different from the analysis result, [Result Reported Value](#) where other circumstances, such as method detection limit, which may affect the ability to report an analyte. In such a case, the analyst may record (1) a method detection limit value as the Result Reported Value together with (2) a [Result Data Qualifier Code](#), and (3) the actual machine-determined value as the Result Instrument Value Measure.

Example: 0.4300000

Format: 8 numeric characters and 7 decimal places

Result Reported Value

Required Field

The actual reported value with the reported decimal places. This may be a method limit or the instrument reading.

When used, this value *must* be used in conjunction with the characteristic and units of measure, [UOM Result Short Form Name](#).

Examples: 1.50 .330

Format: 10 alpha/numeric characters

Result Sample Fraction

The type of fractionation used to assess the [sample](#) and determine a [result](#) for a [characteristic](#). Fractionation is the separation (of a chemical compound) into components, as by distillation or crystallization.

Permitted Values:

Suspended
Total
Dissolved
Total Recoverable
HF Total

Format: 15 alpha/numeric characters

Result "Stored As" Value

The numeric representation of the result of the [Result Reported Value](#).

Example: 0.3000000

Format: 8 numeric characters and 7 decimal places

Result Unidentified Species Code

A “placeholder” taxonomic identification for the [sample](#). Used with a valid genus name to indicate that a unique species has been observed but not taxonomically identified.

EIM Permitted Values:

SP.1, SP.2, SP.3, SP.4, SP.5, SP.6, SP.7, SP.8, SP.9, SPP.

Format: 10 alpha/numeric characters

Result Validation Method Description

A brief description of the validation [method](#) that was used for the [sample result](#).

Example: Lab-generated duplicates

Format: 254 alpha/numeric characters

Result Value Description (Comment)

A textual description of the [result](#).

Example: Cloud cover is approximately 20%.

Format: 254 alpha/numeric characters

Sample

A sample involves something extracted from its environmental setting using some type of equipment. A sample result has a numerical value obtained using analytical methods.

Sampling is the act of taking one or more samples. Sampling is one of three types of [field activity](#). The other two types are [Measurement](#) and [Observation](#).

Sample Chain of Custody Flag

Required Field

Indicates whether or not a chain of custody is required for the sample. Chain of custody information is typically required where the results from the [sample](#) are to be used for enforcement action purposes. Such samples will be subject to more rigorous control and management procedures than might normally be applied.

Click on the text box to place a ☐ in the box or to remove an existing ☐.

Format: ☐ in box = “Y” (= YES, required); lack of a ☐ = “N” (=NO, not required).

Sample Chemical Preservation Method

The name of the chemical or physical preservation method used to preserve the [sample](#).

Example: Refrigeration

Format: 15 alpha/numeric characters

Sample Composite

Required Field

A sample composite is a single aggregate sample created from the combination of a number of other discrete samples. Within EIM, the user may include just the composite sample, or the user also may fully describe each of the constituent discrete samples that make up the composite.

Example: Sample 123 was made up of 30% Sample 433 and 70% Sample 334.

Sample Composite Description

Brief description of the procedure used to form the [sample composite](#).

Format: 254 alpha/numeric characters

Sample Composite Flag

Indicates whether the [sample](#) represents a combination or [composite](#) of other samples

Click on the text box to place a in the box or to remove an existing .

Format: in box = “Y” (= YES); lack of a = “N” (=NO).

Sample Composite Interval

Describes the length of time or distance between the collections of the [samples](#) used to form the [sample composite](#).

Examples: Every 10 centimeters
 Every 30 minutes
 Once every hour for six hours

Format: 40 alpha/numeric characters

Sample Composite Type

Required Field (if the sample is a composite)

A brief indication of the type of composite, if any, that the [sample](#) represents.

Select from list of permitted values.

Examples: Horizontal
 Time

Format: 15 alpha/numeric characters

Sample Identification Number

EIM Required Field

A code to identify a [sample](#) that is assigned by the project scientist. This number may be a randomly selected number by the sampler or it may be a pre-assigned number designated by the [laboratory](#).

Example: AIR9098

Format: 12 alpha/numeric characters

Sample Matrix
EIM Required Field

Describes the form of the sample.

Select from list of permitted values.

Examples: Air/Gas
 Tissue
 Water
 Other Liquid

Format: 14 alpha/numeric characters

Sample Refrigerated Temperature Quantity
The temperature at which the sample was refrigerated.

This field must be used in conjunction with the sample unit of measure named UOM Sample Short Form Name.

Examples: 0 18

Format: 3 numeric characters

Sample Replicate Flag
Indicates whether a replicate sample (a sample of the same type and medium taken at the same time and place, using the same method) exists. Replicate samples may have the same Sample Identification Number in certain instances.

Click on the text box to place a in the box or to remove an existing .

Format: in box = "Y" (= YES); lack of a = "N" (=NO).

Sample Source
Indicates the environmental resource from which the sample was taken and which might be most directly characterized by the results from the sample.

Examples: Groundwater
 Surface water
 Air
 Marine Sediment

Format: 20 alpha/numeric characters

Sample Split

A single collected [sample](#) that is divided in the field into several sub-samples or splits. Each of the splits is related to its siblings by belonging to a sample split grouping.

Sample Split Comment (Reason)

The reason for splitting the [sample](#) or other comments about the [sample split](#).

Example: To calibrate testing equipment.

Format: 60 alpha numeric characters

Search Radius

A distance criterion, the radius from the coordinates which the system will use when conducting a search for matching [Stations](#).

Choose from one of three option buttons.

Values in [Station Search Criteria Dialog Box](#) and in [Facility/Site Search Detail Dialog Box](#)

1/4 mile – default radius value

1/2 mile

1 mile

Values in [EIM Query/Report Module and Dialog Box:](#)

1/2 mile – default radius value

1 mile

5 mile

Section

The term "Section" refers to the Section of the Section Township Range ([STR](#)) Grid System. A section is one of 36 units of land comprising a township. Each section is one square mile and contains 640 acres.

Each section is divided into quarter sections of 160 acres.

Section Number

Required Field if using Section Township Range Coordinate Referencing System.

The [Section](#) of the Section Township Range ([STR](#)) Coordinate System in which the [Station](#) is located.

Value range: 1 - 36

Format: 2 numeric characters

NOTE: If you change the Section Number when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Select All Columns Indicator

A flag (i.e. a check mark [☐] by which the user indicates that all columns listed in the [Advanced Report Builder List Box](#) are to be exported to Excel or Access, whichever the user chooses.

Select All Indicator

An indicator that you wish to perform a multiple update or load process on ALL the records in the batch, regardless of how many are highlighted in the [E2 Station Record List Box](#) or the [E3 Result Records List Box](#). A check mark (☐) in the Select All Indicator box activates the [Multiple Updates Pushbutton](#).

Single Screen Set

Includes all the records available to you in a list box via the scroll bar between the [LIST PREVIOUS](#) and the [LIST NEXT](#) buttons.

Skipper

"Skipper" is the common name for a program named Facility/Site Maintenance. Skipper is an integral part of the [Facility/Site Identification System](#) and the [EIM System](#) that helps to ensure the accuracy of geographic location information. Such accuracy is critical to Ecology staff in locating a particular [facility/site](#) or [station](#).

Very early each Tuesday through Saturday, "Skipper" accesses the GIS to perform a verification function on the geographic location information entered the previous day. If "Skipper" verifies the geographic coordinates, it places a flag in the system and a " ☐ " in a box next to the words "[GIS Verified](#) " that appears in DETAIL windows of the Facility/Site Identification System and the EIM System. It also populates certain other location information fields including:

[CountyCongressional DistrictIndian Land \(in the Facility/Site Identification System\)](#)
[Legislative DistrictWRIA Id Region](#).

Skipper sends each data entry person a list detailing the successes, failures (if it cannot verify the coordinates), and warnings.

SPCS

The State Plane Coordinate Systems are designed to define the location of points within a geographic grid system. Each state has at least one SPCS system in use; Washington has two, a northern zone system and a southern zone system. The X coordinate is the east-west (Easting) coordinate; the Y coordinate is the north-south (Northing) coordinate. If the horizontal datum is NAD27, the unit of measure is feet; if the horizontal datum is NAD83, the unit of measurement is meters.

SPCS X Coordinate

(State Plane X Coordinate)

Required Field if using State Plane Coordinate Referencing System

The easterly (X-axis) coordinate of the [Station](#) in the WA State Plane Coordinate System ([SPCS](#)).

Range: 942431.750 - 2911056.000

Format: 7 numeric characters and 3 decimal places

NOTE: If you change the SPCS X Coordinate when you are in [UPDATE](#) mode, then the [Location \(Horizontal\) Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

SPCS Y Coordinate

(State Plane Y Coordinate)

Required Field if using State Plane Coordinate Referencing System

The northerly (Y-axis) coordinate of the [Station](#) in the WA State Plane Coordinate System ([SPCS](#)).

Range: 81928.719 - 1355596.000

Format: 7 numeric characters and 3 decimal places

NOTE: If you change the SPCS Y Coordinate when you are in [UPDATE](#) mode, then the [Location \(Horizontal\) Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

SPCS Zone Code

(State Plane Zone Code)

Required Field if using State Plane Coordinate Referencing System

A code that identifies whether the coordinates of the [Station](#) lie in the northern zone or the or southern zone of the WA State Plane Coordinate System ([SPCS](#)).

Choose the appropriate SPCS Zone Code from the drop-down option box in the [SPCS Insert/Update Dialog Box](#).

The area included in the following counties constitutes the north zone: Chelan, Clallam, Douglas, Ferry, Island, Jefferson, King, Kitsap, Lincoln, Okanogan, Pend Oreille, San Juan,

Skagit, Snohomish, Spokane, Stevens, Whatcom, and that part of Grant lying north of parallel 47° 30' north latitude.

The area included in the following counties constitutes the south zone: Adams, Asotin, Benton, Clark, Columbia, Cowlitz, Franklin, Garfield, that part of Grant lying south of parallel 47° 30' north latitude, Grays Harbor, Kittitas, Klickitat, Lewis, Mason, Pacific, Pierce, Skamania, Thurston, Wahkiakum, Walla Walla, Whitman and Yakima.

Values: N (North)
 S (South)

Format: 1 alpha character

NOTE: If you change the SPCS Zone Code when you are in UPDATE mode, then the Location (Horizontal) Accuracy Level must be more accurate (a lower code number) than the previous one.

Station(s)

Stations is one of the six EIM System Components.

A Station identifies the location of the sample collection, measurement, or observation. It may be an area, a line, or a point. A Station must include one latitude/longitude reference point. For ocean monitoring, a station may be a point at sea defined by latitude and longitude. For groundwater monitoring, as station may be a well that may be identified by name, number, latitude, and longitude. For biological monitoring, a Station may be a sample area defined as plus or minus X yards from a fixed point.

Each station is uniquely identified by a Station Identification Code and a Station Name.

A Station *may* but is not required to be associated with a Project. Each Station that is associated with a Project is called a “Project Station” and is accessible through the Projects component of the EIM System. Each Project Station has a Project Station Name. This name may be the same as its Station Name or it may be entirely different.

All Stations, regardless of whether they are associated with a Project, are accessible through the Stations component of the EIM System.

Station Alias

An alternative name assigned to a specific station by an agency other than Ecology.

Example: The USGS Site ID for a well

Station Alias Code

Required Field – if Station has a Station Alias

A [Station](#) code identifier assigned to the Station Alias by another organization such as the US Environmental Protection Agency (EPA). A [Station Alias Type Code](#) that identifies such an organization may be associated with a Station Alias Code.

Examples: 13102060
481322122302201
Both of the above codes are examples of Station Alias Codes assigned by the USGS.

Format: 40 alpha/numeric characters

Station Alias Type

Identifies the organization which assigned the [Station Alias](#) and an associated [Station Alias Code](#).

Station Alias Type -- continued

Select from list of permitted values.

Examples:	CLAIM	Claim alias name
	COUNTY	County/Local regional specific alias name
	DOH	WA State Department of Health
	EPA	US Environmental Protection Agency
	OTHERS	Others
	USGS	US Geological Survey Site Identification Number

Station Capped Flag

An indicator stating whether or not a [Station](#) has been capped. This is of concern to the Sediment Media Group.

Click on the text box to place a ☐ in the box or to remove an existing ☐.

Format: ☐ in box = "Y" (= YES, capped); lack of a ☐ = "N" (=NO, not capped).

Station Dredged Flag

An indicator stating whether or not a [Station](#) has been dredged. This is of concern to the Sediment Media Group.

Click on the text box to place a ☐ in the box or to remove an existing ☐.

Format: ☐ in box = "Y" (= YES, dredged); lack of a ☐ = "N" (=NO, not dredged).

Station Identification Code

Required Field

The identification code used by the responsible person, typically the [Project Lead](#), to *uniquely* identify the [Station](#). The Station Identification Code may be overridden during the course of a [Project](#) by a project-specific name that will not affect its universal code.

INSTRUCTION: If the Station is a [Well Station](#), use the [Well Identification Number](#), if available.

Examples: EILS567 SED8809 12A070 12101100

Format: 8 alpha/numeric characters

Station Index Number

A code (alternative to [Station Waterbody ID](#)) used to indicate the waterbody on which the [Station](#) is located if appropriate. This index number will be developed from the 1:24,000 state GIS hydrography layer when this has been established.

Example: 12997766

Length: 10 alpha/numeric characters

Station Location Type

Required Field

A description of the location of the [Station](#), in relation to air, land, and water. A Station may only be described by one location type. The purpose or function of the Station is described by the 'source' defined for each of the samples taken at the Station.

Click on the down-arrow to display a drop-down list of choices. Highlight and click on the appropriate status to select it.

Examples: Lake, Estuary, Freshwater Wetland, Spring, River/Stream

Format: 20 alpha/numeric characters

Station Name

Required Field

The name used by the responsible person, typically the [Project Lead](#), to identify the [Station](#).

Examples: Jones Point Station

Format: 40 alpha/numeric characters

Station River Mile

A system used to indicate the location of a [Station](#) on a river/stream by indicating the distance from the mouth of the river or stream.

Examples: 3 32 429 1234

Format: 4 numeric characters

NOTE: Which river mile system (and its format) will be the ones ultimately selected for use in the [EIM System](#) are under consideration and discussion. Therefore, the format and examples shown above may change in the future.

Station Spatial Type

Identifies which of three spatial types describes the [Station](#).

Click on the option button which best describes the spatial type of the station.

Values: P = Point (default value)
 L = Line
 A = Area

Format: 1 alpha character

Station Status

Required Field

Current status of the [Station](#).

Click on the down-arrow to display a drop-down list of choices. Highlight and click on the appropriate status to select it.

Values: Active
 Inactive
 Seasonal

Station Waterbody ID

A unique code used to indicate the [waterbody](#) on which the [Station](#) is located, if appropriate.

Station Waterbody IDs (code and description) are contained in a Combined Code Selection Table.

Example: WA-01-0070 Lummi Bay and Hale Passage

Format: 10 alpha/numeric characters

NOTE: Which waterbody identification system (and its format) will be the one ultimately selected for use in the [EIM System](#) are under consideration and discussion. Therefore, the format and examples shown above may change in the future.

STR

The Section Township Range Grid System is the system by which the federal government began in 1785 surveying land west of the original 13 states and has continued to do so. Land is divided into units of 36 square miles called [townships](#). Each township is further divided into 36 [sections](#) of 1 square mile. Each section, containing 640 acres, is divided into quarter sections of 160 acres. To help located and describe any particular piece of land, surveyors use certain meridians of longitude (north-south lines), called *principal meridians*, and certain parallels of latitude (east-west lines), called *base lines*. All townships lying in a line from north to south are described as a [range](#).

STR Quarter Section 1

The first quarter [section](#) of the Section Township Range ([STR](#)) Grid System in which the [Station](#) is located.

Choose the appropriate value for STR Quarter Section 1 from the drop-down option box in [the STR Insert/Update Dialog Box](#).

Values: NE NW SE SW

Format: 2 alpha characters

NOTE: If you change STR Quarter Section 1 when you are in [UPDATE](#) mode, then the [Location \(Horizontal\) Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

STR Quarter Section 2

The second quarter [section](#) of the Section Township Range ([STR](#)) in which the [Station](#) is located.

Choose the appropriate value for STR Quarter Section 2 from the dropdown option box in [the STR Insert/Update Dialog Box](#).

Values: NE NW SE SW

Format: 2 alpha characters

NOTE: If you change STR Quarter Section 2 when you are in [UPDATE](#) mode, then the [Location \(Horizontal\) Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

STR Quarter Section 3

The third quarter [section](#) of the Section,Township Range ([STR](#)) in which the [Station](#) is located.

Choose the appropriateSTR Quarter Section 3 from the dropdown option box in the [STR Insert/Update Dialog Box](#) .

Values: NE NW SE SW

Format: 2 alpha characters

NOTE: If you change STR Quarter Section 3 when you are in [UPDATE](#) mode, then the [Location \(Horizontal\) Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Study Area

The point, line, or more usually, the area which is the focus of the [Project](#). An example is Lower Puget Sound.

Study Area Activation Date

The date on which the spatial area was first used actively as an area of interest to Ecology for monitoring purposes.

Example: 03-15-1996

Format: MM-DD-YYYY
You must enter the hyphens.

Study Area Description

A brief description of the spatial area where the project is located.

Example: Lower Nooksack Watershed and Sumas aquifer

Format: 254 alpha/numeric characters

Study Area Name

Required Field if Project involves a defined study area (e.g. HUC, WRIA)

The common name assigned to the area of interest

Example: Lower Puget Sound area

Format: 30 alpha/numeric characters

Study Area Type

Required Field if Project involves a defined study area (e.g. HUC, WRIA)

A brief code describing the general nature of the spatial area.

Examples: Lake, Aquifer, Mountain, Ocean, River, Stream

Format: 30 alpha/numeric characters

Study Area Spatial Type Indicator

An indicator describing the primary nature of the spatial area as a point, line, or area.

Values: P = Point
L = Line
A = Area

Format: 1 alpha/numeric

Successfully Loaded

The number of E2 Station or E3 Result records that were successfully loaded from the [Interface System](#) to the [EIM System](#). The difference between the [To Be Loaded](#) number and the Successfully Loaded number is the number of records that were assigned an [Interface Load Status Code](#) of “Rejected”.

System User ID

The system identification number of a user. Typically this will be the same as the user’s network login id.

Example:	<u>User ID</u>	<u>User Name</u>
	JT00461	John Tooley
	RDAR461	Russ Darr

Format: 8 alpha/numeric characters

System User ID (Security System)

The system identification number of a user within the EIM and Facility/Site Security System (SARGE). Typically this will be the same as the user’s network login id. The System User ID (Security System) is associated with a [System User Name \(Security System\)](#). Both may pertain to an individual or a position title.

Example:	<u>System User ID</u>	<u>System User Name</u>
	RDAR461	Russ Darr
	JTOO461	John Tooley
	EMADMIN	EIM Administrator

Format: 7 alpha/numeric characters

System User Name (Security System)

The name of a user in the EIM and Facility/Site Security System (SARGE). The System User Name (Security System) is associated with a [System User ID \(Security System\)](#). Both may pertain to an individual or a position title.

Example:	<u>System User Name</u>	<u>System User ID</u>
	Russ Darr	RDAR461
	John Tooley	JTOO461
	EIM Administrator	EMADMIN

Format: 50 alpha/numeric characters

Taxon

The international taxonomic reference given to a specific level of the taxonomic classification system (e.g. Mammalia). The reference may be to any [Taxon Level](#) (e.g. kingdom, order, genus, etc.) Taxon (plural is taxa) refers to a group of organisms sharing common [characteristics](#) in varying degrees of distinction that constitute a Taxon Level.

Taxon Function Description

The primary biological function attributed to the organism.

Example: Bottom feeder

Format: 30 alpha/numeric characters

Taxon ITIS Code**Required Field**

This field is not strictly the Integrated Taxon Identification System Code. It may be one of two codes. If you are entering data about a freshwater organism, use the IT IS Code which is a 6-character code. If you are entering data about a marine organism, use the National Ocean Data Center (NODC) code which is generally a 4-character code.

Although this is the true 'business' identifier, in practice it cannot be used as such because of the requirement to temporarily create taxa without a predefined ITIS code.

Example: 114082 (ITIS Code for GENUS Acneus)

Format: Up to 10 numeric characters; 0 decimal places

Taxon Level
Required Field

The taxonomic level of the subject taxa (e.g. kingdom, class).

Permitted values:

Kingdom
Phylum
Class
Order
Family
Genus
Species

Format: 7 alpha/numeric characters

Taxon Name
Required Field

The full Latin name given to the taxonomic level of the subject [taxon](#) .

Examples: Arthropoda
Homo Sapiens

Format: 30 alpha/numeric characters

Taxon Tolerance Description

Descriptive information about the expected or known tolerance of the organism to environmental change or damage.

Example: (An example is not currently available)

Format: 30 alpha/numeric characters

Tissue Based Indicator

A search criteria flag (i.e. a check mark [] by which the user indicates that matches should be returned only for those results which have an entry in the text box for the attribute named Tissue (Type Description) in the [Field Activity Sample Details Dialog Box](#) or the [Field Activity Sample Insert/Update Dialog Box](#).

Tissue Type

Indicates, for samples of biological tissue, the various body parts that might be sampled. These tissue types are organized by “kingdom”. Bark and liver are examples of plant and animal tissue types, respectively.

Tissue Type Description

Brief description of a Tissue Type that is associated with a Kingdom and Organ System.

Examples: Nervous tissue
 Spores
 Food System

Format: 40 alpha/numeric characters

Tissue Type Kingdom

Required Field

High level categorization of a set of Tissue Types .

Permitted Values:

Algae
Animal
Non-vascular Plant
Vascular Plant

Format: 20 alpha/numeric characters; case sensitive

Tissue Type Organ System

Required Field

General categorization of the set of plant or animal organs to which the Tissue Type belongs.

Examples:	<u>Kingdom</u>	<u>Organ System</u>	<u>Tissue Type</u>
	Animal	Cardiovascular	Blood(plasma) Blood (whole) Heart
		Nervous, Sensory System	Brain Ear Eye Nerve Tissue

Format: 45 alpha/numeric characters; case sensitive

Township

The term "Township" refers to township in the Section Township Range ([STR](#)) Grid System. A township is a land unit of 36 square miles or 93 square kilometers. It is comprised of 36 sections of 1 square mile (640 acres) each.

Township Direction Code

Required Field if using Section Township Range Coordinate Referencing System

The north or south direction of the [Township](#) in which the [Station](#) is located.

Choose "Township Direction Code" from the drop-down option box in the [STR Insert/Update Dialog Box](#).

Values: N (North)
 S (South)

Format: 1 alpha character

NOTE: If you change the Township Direction Code when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Township Number

Required Field if using Section Township Range Coordinate Referencing System

The Township row (Y-axis) of the [Township](#) in which the [Station](#) is located.

Values: 1 - 41

Format: 2 numeric characters

NOTE: If the township number contains a value for a half-township, you must determine the latitude and longitude from an external source (e.g. a US Geological Survey quadrangle map).

NOTE: If you change the Township Number when you are in [UPDATE](#) mode, then the [Horizontal Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

Underground Unit

The name of a stratum characterized by consolidated or unconsolidated rock containing a degree of lithologic, geologic, or hydrogeologic homogeneity. The unit is one of three possible types, each sharing the same basic characteristics and therefore the same entity type. These types are GEOLOGIC, LITHOLOGIC, and HYDROGEOLOGIC.

Examples: The Toutle aquifer
 The Watkinson shale beds

Underground Unit Code

The unique code assigned to an [underground unit](#).

NOTE: The only Underground Unit Type that the EIM System is currently using is Lithologic. Its subset is a mixture of United States Geological Survey (USGS), which is composed of four characters, and the Unified Soil Classification Codes, which is composed of two characters).

You should be consistent in their use, that is, use one but not both on the same well.

Examples: BLDR = BOULDER
 CL = CLAYS INORGANIC <50% LIQUID
 CLAY = CLAY
 GC = GRAVELS CLAYEY

Format: Up to 12 alpha/numeric characters

Underground Unit Local Name Required Field

The name by which the underground unit is known locally.

Example: If the Silver Springs Aquifer is known locally as Aquifer A, then the local name would be Aquifer A.

Format: 80 alpha/numeric characters

Underground Unit Name The official name of an underground unit.

NOTE: The only Underground Unit Type that the EIM System is currently using is Lithologic. Its subset is a mixture of United States Geological Survey and the Unified Soil Classification system.

You should be consistent in their use, that is, use one but not both on the same well.

Examples: BLDR = BOULDER
 CL = CLAYS INORGANIC <50% LIQUID
 CLAY = CLAY
 GC = GRAVELS CLAYEY

Format: 120 alpha/numeric characters

Underground Unit State Code

The Washington State-defined code that represents the [underground unit](#).

Examples: (An example is not currently available)

Format: 6 alpha/numeric characters

Underground Unit Type

Required Field

Indicates whether the underground unit is of the geologic, hydrogeologic, or lithologic type.

Values: GEOLOGIC
HYDROGEOLOGIC
LITHOLOGIC

Format: 13 alpha characters

Unit of Measure (UOM)

Unit abbreviation that represents the measurement scale that accompanies or is associated with a numeric value.

	<u>UOM</u>	<u>UOM Description</u>
Examples:	ppm =	parts per million
	cm =	centimeter
	m =	meters
	kg =	kilograms

UOM Description

Required Field

Brief description of the [Unit of Measure](#).

	<u>UOM Description</u>	<u>UOM</u>
Examples:	parts per million	ppm
	centimeters	cm
	meters	m
	kilograms	kilograms

Format: 50 alpha/numeric characters; case sensitive

UOM Field Activity Short Form Name

The abbreviation for the name of the unit of measure ([UOM](#)) associated with the [field activity](#) of depth measurement, [Field Activity Upper Depth Quantity](#) or [Field Activity Lower Depth Quantity](#).

Examples: cm centimeters
 km kilometers
 Nmi Nautical miles

Format: 10 alpha/numeric characters; case sensitive

See also

UOM Short Form Name

UOM Result Short Form Name

The abbreviation for the name of the unit of measure ([UOM](#)) associated with the [characteristic result](#) measurement, [Result Value Measure](#).

Examples: #/cm3 Number per cubic centimeter
 Gal/min Gallons per minute
 ML/L Milliliters per liter
 Ppm Parts per million

Format: 10 alpha/numeric characters; case sensitive

See also

[UOM Short Form Name](#)

UOM Sample Short Form Name

The abbreviation for the name of the unit of measure ([UOM](#)) associated with the sample refrigeration temperature measurement, [Sample Refrigerated Temperature](#) Quantity.

Permitted Values:

deg C Degrees Centigrade
deg F Degrees Fahrenheit
deg K Degrees Kelvin

Format: 10 alpha/numeric characters; case sensitive

See also

[UOM Short Form Name](#)

UOM Short Form Name

Required Field

The abbreviation for the name of the [Unit of Measure](#) (UOM).

Examples: cm centimeters
 deg C Degrees Centigrade
 ML/L Milliliters per liter

Format: 10 alpha/numeric characters; case sensitive

See also

[UOM Field Activity Short Form Name](#)

[UOM Result Short Form Name](#)

[UOM Sample Short Form Name](#)

UOM Type

Required Field

Provides categorization of a [Unit of Measure](#). This category is used when the unit is associated with a result value to validate the characteristic associated with that result.

Permitted Values:

ALL	
AREA	
FLOW	
LEN	Length
MISC	
PROD	Production
RAD	Radiation
SUBST	
TAX	
TEMP	Temperature
TIME	
VEL	Velocity
VOL	Volume

Format: 10 alpha/numeric characters; case sensitive

User Location Verified Flag

An Ecology program staff person enters an " " in this box to indicate: (1) the geographic location and other calculated data of a [Station](#) have been reviewed subsequent to its GIS verification by "Skipper" and (2) the geographic location and other calculated data have either been accepted or researched and overridden.

Click on the text box to place a " " in the box or to remove an existing " " .

Format: " " in box = "Y" (= YES, verified); lack of a " " = "N" (=NO, not verified).

An Ecology program staff person enters an " " in this box to indicate: (1) the geographic location and other calculated data of a [Station](#) have been reviewed subsequent to its GIS verification by "Skipper" and (2) the geographic location and other calculated data have either been accepted or researched and overridden.

Click on the text box to place a " " in the box or to remove an existing " " .

Format: " " in box = "Y" (= YES, verified); lack of a " " = "N" (=NO, not verified).

UTM

The Universal Transverse Mercator (UTM) Grid System provides rectangular coordinates that may be used to indicate locations on the surface of the earth. A point is located by specifying a hemispheric indicator, a zone number, an easting value, and a northing value. The unit of measurement for both Northing and Easting is in meters.

UTM X Coordinate

(Universal Transverse Mercator X Coordinate)

Required Field if using the Universal Transverse Mercator Coordinate Referencing System
The easting (X-axis) coordinate of the [Station](#) in the Universal Transverse Mercator ([UTM](#)) Grid System (i.e. horizontal distance from the reference edge of the UTM zone) of the [station](#) . The unit of measure is meters.

Range: 363487.031 - 971166.625

Format: 6 numeric characters and 3 decimal places

NOTE: If you change the UTM X Coordinate when you are in [UPDATE](#) mode, then the [Location \(Horizontal\) Accuracy Level](#) must be more accurate (a lower code number) than the previous one.

UTM Y Coordinate

(Universal Transverse Mercator Y Coordinate)

Required Field if using the Universal Transverse Mercator Coordinate Referencing System

The northing (Y-axis) coordinate of the Station in the Universal Transverse Mercator (UTM) Grid System (i.e. the vertical distance from the equator) of the station . The unit of measure is meters.

Range: 5043595.500 - 5444537.000

Format: 7 numeric characters and 3 decimal places

NOTE: If you change the UTM Y Coordinate when you are in UPDATE mode, then the Location (Horizontal) Accuracy Level must be more accurate (a lower code number) than the previous one.

UTM Zone Code

(Universal Transverse Mercator Zone Code)

Required Field if using the Universal Transverse Mercator Coordinate Referencing System

Identifies the zone number of the Universal Transverse Mercator (UTM) Grid System that indicates the 6 degree longitudinal band in which the Station is located.

Choose the appropriate UTM Zone Code from the drop-down list box in the **Universal Transverse Mercator Insert/Update Dialog Box**.

Values: 11, or 10 (The State of Washington falls within zones 10 and 11)

NOTE: Although the value of 0 appears in the drop-down list box, it is NOT a valid enter when UTM coordinates are specified. If you enter UTM coordinates, you MUST enter a zone code of 10 or 11. If you enter coordinates and leave the Zone Code as 0, you will receive an error message.

Format: 1 or 2 numeric characters

NOTE: If you change the UTM Zone Code when you are in UPDATE mode, then the Location (Horizontal) Accuracy Level must be more accurate (a lower code number) than the previous one.

Version

The currently active version of the [EIM System](#) on the server. If, after comparing this version with the one on your PC, the EIM System finds that your PC does not have the most current version, a message will appear on your screen advising you to download the most recent version.

Example: 1.0 1.2

Vertical Accuracy Level

A code for the range within which the measured value of the longitude of the [Station](#) may vary from the actual value.

Choose "Vertical Accuracy Level" from the drop-down list box in the [Combined Code Table](#) named **Vertical Accuracy Level**.

Code range: 01-13, plus 99 = "Unknown"

Examples: 01 = >1/100 Meter
 06 = +/- 40 feet (12 meter)

Format: 2 numeric characters

Vertical Collection Method

The technique used to collect the vertical coordinate of the [Station](#) .

Choose "Vertical Collection Method" from the drop-down list box in the [Combined Code Table](#) named **Vertical Collection Method**.

Code range: 01-09, plus 99 = "Unknown"

Examples: 01 = Bathymetric Sounding
 09 = Map Derived

Format: 2 numeric characters

Vertical Datum

A code describing the reference datum for the elevation of the [Station](#) .

This field identifies whether the NAVD88 or the NGVD29 is the reference for the vertical coordinate.

Choose "Vertical Datum" from the drop-down list box in the [Combined Code Table](#) named **Vertical Datum**.

Code range: 01 - 03, with no code 99

Examples: 01 North American Vertical Datum of 1988 (NAVD88)

02 North American Geodetic Vertical Datum of 1929 (NGVD29)

Format: 2 numeric characters

Vertical Reference

Describes the vertical reference point from which the [Elevation](#) of the [Station](#) was taken. Reference point of the elevational position on the surface of the earth.

Choose " Vertical Reference" from the drop-down list box in the [Combined Code Table](#) named **Vertical Reference**.

Code range: 01 - 06, plus 99 = "Unknown"

Examples: 01 = Elevation from mean sea level
06 = Local tide datum

Format: 2 numeric characters

Waterbody

Water that is sitting or flowing on the surface.

Well

A shaft or pit dug into the earth for the extraction of water.

See also

[Well Station](#)

Well Identification Number

The unique number assigned to each well in the State of Washington. It is also known as the Well Tag ID. The number is assigned by the Department of Ecology. It is stamped on an aluminum identification tag that is to be affixed to the well by the homeowner or licensed driller.

Use the Well Identification Number as the [Station Identification Code](#) when a [Station](#) is a [Well Station](#).

Example: AAB100

Format 3 alpha (upper case) and 3 numeric characters

Well Interval

A vertically defined (upper and lower depth) section of interest within a [well](#) or [borehole](#). The seven Well Interval Types are:

[Borehole](#)

[Casing](#)

[Fill](#)

Opening

Hydrogeologic Unit – an Underground Unit

Geologic Unit – an Underground Unit

Lithologic Unit – an Underground Unit

Well Interval Depth to Bottom (Lower Interval)

Required Field

The distance from the Well Interval Measuring Point to the bottom of the Well Interval being described, OR, the depth to the bottom of the hole segment from the Well Interval Measuring Point.

Units are expressed using Well Interval Depth Unit Code.

NOTE: To INSERT or UPDATE a Well Interval, the value entered for the Lower Level must be greater than the value entered for the Upper Level.

Example: 105.75

Format: 5 numeric characters and 3 decimal places

Well Interval Depth to Top (Upper Measure)

Required Field

The distance from the Well Interval Measuring Point to the top of the Well Interval being described, OR, the depth to the point where this section of the begins from the Well Interval Measuring Point.

Well Interval Depth to Top (Upper Measure) -- continued

Units are expressed using Well Interval Depth Unit Code.

NOTE: To INSERT or UPDATE a Well Interval, the value entered for the Lower Level must be greater than the value entered for the Upper Level.

Example: 4.894

Format: 5 numeric characters and 3 decimal places

Well Interval Depth Unit Code

Required Field

Units in which the Well Interval Depth to Top (Upper Interval) and the Well Interval Depth to Bottom (Lower Interval) are expressed.

Values: FT = Feet
 M = Meters

Format: 2 alpha/numeric characters

Well Interval Measuring Point

The point from which the [Well Interval](#) is measured.

Well Interval Measuring Point Description

Required Field

Describes the primary measuring point ([Well Interval Measuring Point](#)) for measuring [Well Intervals](#) at the [well](#).

Example: Station elevation

Format: 40 alpha/numeric characters

Well Interval Measuring Point Height

Required Field

The measure indicating the height of the [Well Interval Measuring Point](#) above (+) or below (-) ground surface.

Units are expressed using the [Well Interval Measuring Point Height Unit Code](#).

Example: 6.667

Format: 5 numeric characters and 3 decimal places

Well Interval Measuring Point Height Unit Code

Required Field

Units in which the [Well Interval Measuring Point Height](#) is expressed.

Values: FT = Feet
M = Meters

Format: 2 alpha/numeric characters

Well Interval Type Code

Required Field

The official USGS NWIS-II code that describes the type of [Well Interval](#).

Select from list of permitted values.

Examples: Hydrogeologic Unit
 Casing
 Fill

Format: 18 alpha/numeric characters

Well Log

A record of the layers of earth penetrated during construction of the [borehole](#). After construction, additional Well Logs may be conducted to identify other stratigraphic features or the [well](#).

Well Log Conducted Date

The date on which the [Well Log](#) was developed.

Example: 06-24-1991

Format: MM-DD-YYYY

NOTES:

1. You *must* enter the hyphens; otherwise an error message will appear.
2. If the month and year are known but not the date within the month, enter the last day of the known month (e.g. 04-30-1998) If the year is known, but not the month, enter the last day of the known year (e.g. 12-31-1998)

Well Log Location Description

Describes the location of the [Well Log](#).

Format: 120 alpha/numeric characters

Well Log Report Format Code

Required Field

Identifies the format of the stored [Well Log](#).

Select from list of permitted values.

Examples: Rock Chip Chemistry
 Files [Raw Data]

Machine Readable
Other

Format: 10 alpha/numeric characters

Well Log Type Code

Required Field

The code that represents the method used to record the [Well Log](#).

Select from list of permitted values.

Examples: Acoustic Velocity
Drilling Time
Induction
Fluid Velocity
Video Tape Record

Format: 27 alpha/numeric characters

Well Pump

A mechanical device or lift installed in a [well](#) used to move liquids against a gradient (e.g. gravity, pressure).

Well Pump Depth

The depth from the [Well Pump Location Reference Point](#) to the top of the [Well Pump](#).

Units are expressed using the [Well Pump Depth Unit Code](#).

Example: 50.750

Format: 5 numeric characters and 3 decimal places

Well Pump Depth Unit Code

Units in which the [Well Pump Depth](#) is expressed.

Values: FT = Feet
M = Meters

Format: 2 alpha/numeric characters

Well Pump Efficiency

The efficiency of the pumping system in using the power supplied to it. Well Pump Efficiency is calculated by the following equation:

PUMP EFFICIENCY, in percent, = (Discharge, in gal/min * total head, in feet)/3960
*input horsepower)

Example: 10

Format: 10 numeric characters

Well Pump Installation Date

The date the [Well Pump](#) was installed.

Example: 12-12-1979

Format: MM-DD-YYYY

NOTES:

1. You *must* enter the hyphens; otherwise an error message will appear.
2. If the month and year are known but not the date within the month, enter the last day of the known month (e.g. 04-30-1998) If the year is known, but not the month, enter the last day of the known year (e.g. 12-31-1998)

Well Pump Intake Depth

The depth to the bottom of the pump bowls or intake below land surface. That value desired for this entry is the maximum distance the water level can be drawn down before the pump breaks suction.

Units are expressed using the [Well Pump Intake Depth Unit Code](#) .

Example: 2.25

Format: 5 numeric characters and 3 decimal places

Well Pump Intake Depth Unit Code

Units in which the [Well Pump Intake Depth](#) is expressed.

Values: FT = Feet
M = Meters

Format: 2 alpha/numeric characters

Well Pump Location Reference Point

Describes the point on the [well](#) or well structure from which each [Well Pump](#) measure is made.

Example: Depth from top of casing

Format: 60 alpha/numeric characters

Well Pump Model Name

The manufacturer's model name/number for a [Well Pump](#).

Example: QPUMP 2000

Format: 20 alpha/numeric characters

Well Pump Manufacturer Name

The name of the [Well Pump](#) manufacturer.

Example: HydroPump, Inc.

Format: 20 alpha/numeric characters

Well Pump Power Source**Required Field**

Indicates the type of power used to power the [Well Pump](#).

Select from list of permitted values.

Examples: Diesel Engine
Windmill

Format: 15 alpha/numeric characters

Well Pump Rated Capacity

The manufacturer's pump capacity rating.

Units are expressed using the [Well Pump Rated Capacity Unit Code](#).

Example: 70

Format: 4 numeric characters and 2 decimal places

Well Pump Rated Capacity Unit Code

Units in which the [Well Pump Rated Capacity](#) is expressed.

Values: Gallons per Minute
 Cubic Feet per Second

Format: 3 alpha/numeric characters

NOTE: System converts each permitted value to a three-character code (e.g. Gallons per Minute = GPM; Cubic Feet per Second = CFS)

Well Pump Rated Power

The horsepower/watts rating of the primary power source. measure that indicates the power output of the [Well Pump](#) at the manufacturer's designed revolutions per minute (RPM).

Units are expressed using the [Well Pump Rated Power Unit Code](#).

Examples: 40.00
 .5

Format: 2 numeric characters and 2 decimal places

Well Pump Rated Power Unit Code

Units in which the [Well Pump Rated Power](#) is expressed.

Values: Horsepower
 Watts

Format: 1 alpha/numeric character

NOTE: System converts each permitted value to a one-character code (e.g. Horsepower = H; Watts = W)

Well Pump Rated RPM

The measure that indicates the designed operating speed of the [Well Pump](#) in revolutions per minute (RPMs) as stated by the manufacturer.

Example: 375

Format: 4 numeric characters

Well Pump Removal Date

The date the [Well Pump](#) was removed.

Example: 11-30-1985

Format: MM-DD-YYYY

NOTES:

1. You *must* enter the hyphens; otherwise an error message will appear.
2. If the month and year are known but not the date within the month, enter the last day of the known month (e.g. 04-30-1998) If the year is known, but not the month, enter the last day of the known year (e.g. 12-31-1998)

Well Pump Serial Number

The serial number of the [Well Pump](#).

Example: e23463458

Format: 20 alpha/numeric characters

Well Pump Total Head

Consists of the pumping (production) water level, the additional head above land surface, and friction loss. Total Head is what the pump works against.

Units are expressed using the [Well Pump Total Head Unit Code](#).

Example: 50

Format: 8 numeric characters

Well Pump Total Head Unit Code

Units in which the [Well Pump Total Head](#) is expressed.

Values: FT = Feet
M = Meters

Format: 2 alpha/numeric characters

Well Pump Type Code

Required Field

Identifies the type of [Well Pump](#) installed in the [well](#).

Select from the list of permitted values.

Examples: Submersible
 Bucket
 Air Lift

Format: 16 alpha/numeric characters

Well Station

A [well](#) that may contain several predefined sampling points which are distinguished by depth. It may be comprised of several wells as in a well field.

NOTE: Some organizations consider the different depths as separate Sampling Stations.

Well Station Aquifer Test Indicator Flag

Indicates whether aquifer testing has been performed.

Values: Y = Yes
 N = No
 Unknown

Format: 1 alpha/numeric character

Well Station Comment

Brief comments or other information about the construction of the [well](#) .

Format: 254 alpha/numeric characters

Well Station Completed Depth

The depth of the finished [well](#) below land-surface datum. The depth of the well is the greatest depth to which the well can be sounded.

If measurement is not practical, enter the reported depth at which the well was finished. This field should be completed for wells whenever possible.

Units are expressed using the [Well Station Completed Depth Unit Code](#).

Example: 48.84

Format: 5 numeric characters and 3 decimal places

Well Station Completed Depth Unit Code

The units in which the Well Station Completed Depth is expressed.

Values: FT = Feet
 M = Meters

Format: 2 alpha/numeric characters

Well Station Completion Type Code

Indicates the method of completion or the nature of the openings that allow water to enter the well.

Select from list of permitted values.

Examples: Gravl Pack Perf
 Open Hole
 Other
 Screen

Format: 15 alpha/numeric characters

Well Station Construction End Date

The date that construction was completed on the well or borehole.

Example: 04-23-1995

Format: MM-DD-YYYY

NOTES:

1. You *must* enter the hyphens; otherwise an error message will appear.
2. If the month and year are known but not the date within the month, enter the last day of the known month (e.g. 04-30-1998) If the year is known, but not the month, enter the last day of the known year (e.g. 12-31-1998)

Well Station Construction Method Code

Identifies the method used to create the borehole.

Select from list of permitted values.

Examples: Air Rotary
 Bored or Augered
 Hydraulic Rotary
 Driven
 <Blank>

Format: 2 alpha/numeric characters

NOTE: System converts each item from list of permitted values to a two-character code (e.g. Air Rotary = AR)

Well Station Construction Start Date

The date the borehole excavation began.

Example: 04-23-1995

Format: MM-DD-YYYY

NOTES:

1. You *must* enter the hyphens; otherwise an error message will appear.
2. If the month and year are known but not the date within the month, enter the last day of the known month (e.g. 04-30-1998) If the year is known, but not the month, enter the last day of the known year (e.g. 12-31-1998).

Well Station Development Method Code

Identifies the method by which the efficiency of the well was improved after it was constructed.

Values: Air Lift
Surge Block
Jet
Chemical Treatment
Bail

Format: 2 alpha/numeric characters

NOTE: System converts each item from list of permitted values to a two-character code (e.g. Air Lift = AL)

Well Station Disinfected Indicator

Indicates whether the well was disinfected at the time of completion.

Values: Y = Yes
N = No
Unknown

Format: 1 alpha/numeric character

Well Station Flow Indicator

Indicates whether a flow measuring device is in place.

Values: Y = Yes
 N = No
 Unknown

Format: 1 alpha/numeric character

Well Station Gradient Type Code

Describes the relation of the water table elevation in the [well](#) with the water table elevation at the point of interest, such as a source of contamination. It is applied to wells monitoring a known source of potential ground water contamination such as landfills and RCRA sites. For example, RCRA regulations require that wells be placed upgradient and downgradient from known contamination sources.

Values: Upgradient
 Downgradient
 Crossgradient
 Unknown
 <Blank>

Format: 1 alpha/numeric character

NOTE: System converts each item from list of permitted values to a single-character code (e.g. Upgradient = U; Unknown = N)

Well Station Hole Depth

The depth below land surface to the bottom of the hole on completion of drilling.

Units are expressed using the [Well Station Hole Depth Unit Code](#).

Example: 22.500

Format: 5 numeric characters and 3 decimal places

Well Station Hole Depth Unit Code

The units in which the [Well Station Hole Depth](#) is expressed.

Values: FT = Feet
 M = Meters

Format: 2 alpha/numeric characters

Well Station Identification Number

Required Field if Well Station has multiple wells

The user-assigned number that uniquely identifies each Well that is associated with a Well Station.

NOTE: This is NOT the same as the Well Identification Number.

Examples: 113
 684

Format: 3 numeric characters

Well Station Indicator Flag

A flag (i.e. a check mark [☐]) that indicates the Station is also a Well Station . Additional data must be entered for a Well Station.

Click on the text box to place a ☐ in the box or to remove an existing ☐ .

Format: in box = “Y” (= YES, is a well station); lack of a ☐ = “N” (=NO, not a well station).

Well Station Measuring Point

The point at which the height of a Well Station is measured.

A Well Station may have multiple measuring points.

Each Well Station Measuring Point has the following attributes:

Well Station Measuring Point Name

Well Station Measuring Point Height

Well Station Measuring Point Height Unit Code

Well Station Measuring Point Height Effective Date

Well Station Measuring Point Height End Date

Well Station Measuring Point Height Description

Well Station Measuring Point Description

Required Field for each Well Station Measuring Point

Describes the point at which the water level was measured (Well Station Measuring Point Height), or a sample was taken (i.e. the Well Station Measuring Point).

Example: Top of casing at file notch on the north side.

Format: 40 alpha/numeric characters

Well Station Measuring Point Height

Required Field for each [Well Station Measuring Point](#)

The height above or below the [Station](#) elevation of one or more permanent marks on the casing ([Well Station Measuring Point](#)). A measuring point below the station ground surface elevation is preceded by a minus (-) sign.

Units are expressed using [Well Station Measuring Point Height Unit Code](#).

Example: 5.5
 -2.25

Format: 5 numeric characters (including a minus sign if appropriate)
 and 3 decimal places

Well Station Measuring Point Height Effective Date

The date on which use began for the [Well Station Measuring Point](#) specified in the [Well Station Measuring Point Description](#).

An Effective Date may be entered for each [Well Station Measuring Point](#).

Example: 04-23-1995

Format: MM-DD-YYYY

NOTES:

1. You *must* enter the hyphens; otherwise an error message will appear.
2. If the month and year are known but not the date within the month, enter the last day of the known month (e.g. 04-30-1998) If the year is known, but not the month, enter the last day of the known year (e.g. 12-31-1998)

Well Station Measuring Point Height End Date

The date on which use ended for the [Well Station Measuring Point](#) specified in the [Well Station Measuring Point Description](#).

An End Date may be entered for each [Well Station Measuring Point](#).

Example: 02-15-1997

Format: MM-DD-YYYY

NOTES:

1. You *must* enter the hyphens; otherwise an error message will appear.

2. If the month and year are known but not the date within the month, enter the last day of the known month (e.g. 04-30-1998) If the year is known, but not the month, enter the last day of the known year (e.g. 12-31-1998)

Well Station Measuring Point Height Unit Code

Required Field for each [Well Station Measuring Point](#)

The units in which the [Well Station Measuring Point Height](#) is expressed.

Values: FT = Feet
 M = Meters

Format: 2 alpha/numeric characters

Well Station Measuring Point Name

The name of the [Well Station Measuring Point](#) associated with the [Well Station Measuring Point Description](#).

A Name may be entered for each [Well Station Measuring Point](#).

Example: Casing Top North Notch

Format: 8 alpha/numeric characters

Well Station Status Code

Required Field

Describes the current condition of the [well](#).

Values: Active (default value)
 Abandoned

Format: 9 alpha/numeric characters

Well Station Use Code**Required Field**

Identifies the primary use of the [well](#).

Select from list of permitted values.

Examples: Drainage
 Heat Reservoir
 Withdrawal of Water

Format: 30 alpha/numeric characters

Well Station Water Primary Use Code

Identifies the main use of water from a [well](#).

Select from list of permitted values.

Examples: Air Conditioning
 Bottling
 Unused
 Other

Format: 19 alpha/numeric characters

Wellhead Protection Area Name

The name of the wellhead protection area in which the [well](#) is located. (Check with the Department of Health, Drinking Water Division.)

Example: McCallister Springs Wellhead Protection Area

Format: 40 alpha/numeric characters

WRIA

The acronym “WRIA” stands for Water Resource Inventory Area. The WRIA is a water basin numbering system that the State of Washington uses.

See also:

[WRIA Identification Number](#)

WRIA Identification Number

No entry needed. The program “[Skipper](#)” will populate this field.

The identification number of the Water Resource Inventory Area ([WRIA](#)) in which the [Station](#) is located.

If you wish to enter a WRIA Identification Number for a Station, click on the prompt and choose the appropriate one from the drop-down list box of the [Combined Code Table](#) named **WRIA Identifier**.

NOTE: If you wish to use a “WRIA Identification Number” for Report Selection purposes, click on the down arrow next to the text box; then, click on the appropriate WRIA Identification Number from the drop-down list box.

Code range: 01-62, with no code 99 for “Unknown”

Examples: 01 = Nooksack
18 = Elwha – Dungeness
60 = Kettle

Format: 2 numeric character